

THE PHILADELPHIA REAL ESTATE RECORD AND

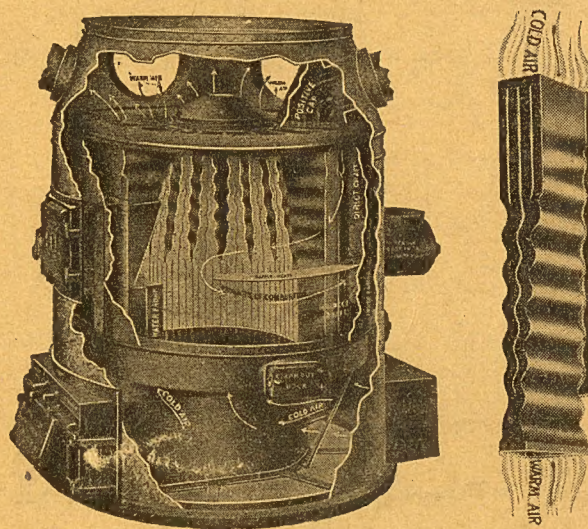
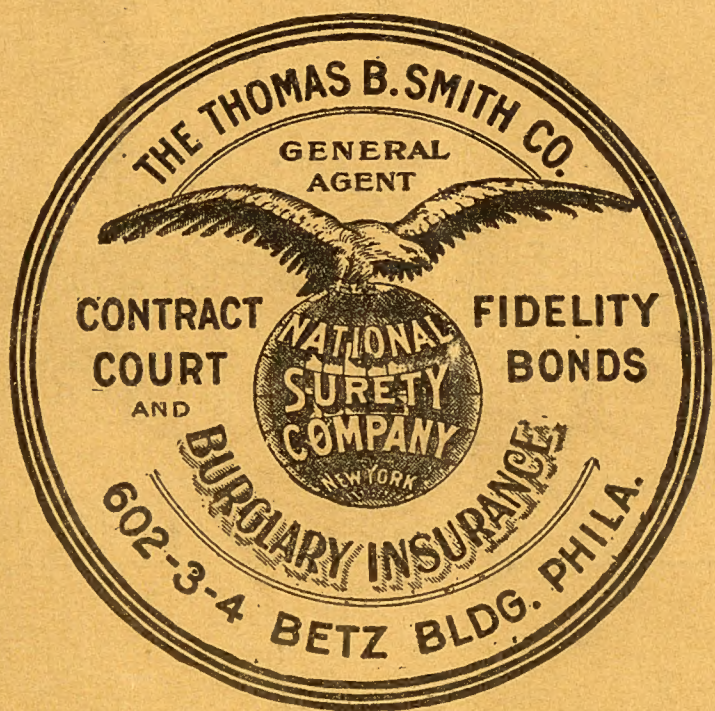
# Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

DEVOTED TO ARCHITECTURAL AND BUILDING INTERESTS

Vol. XXVII., No. 1. PHILADELPHIA, WEDNESDAY, JANUARY 3, 1912.

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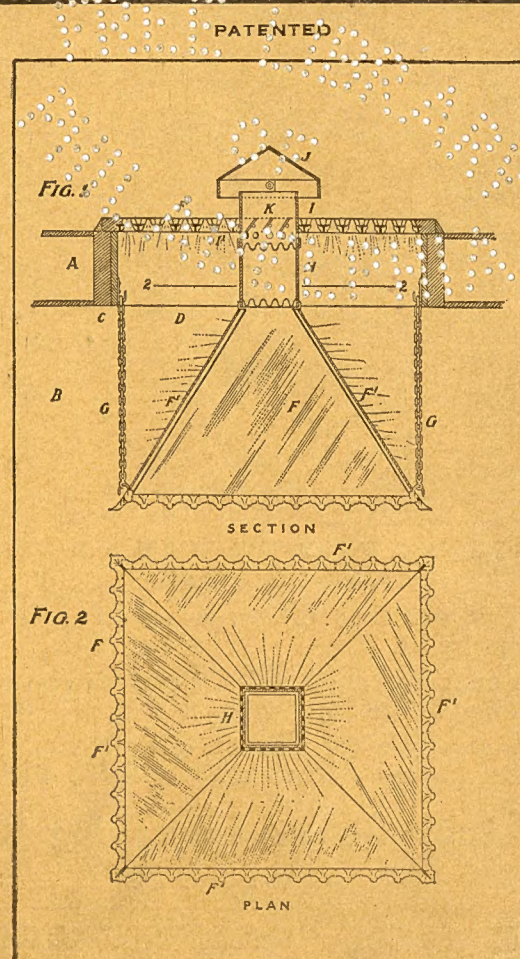
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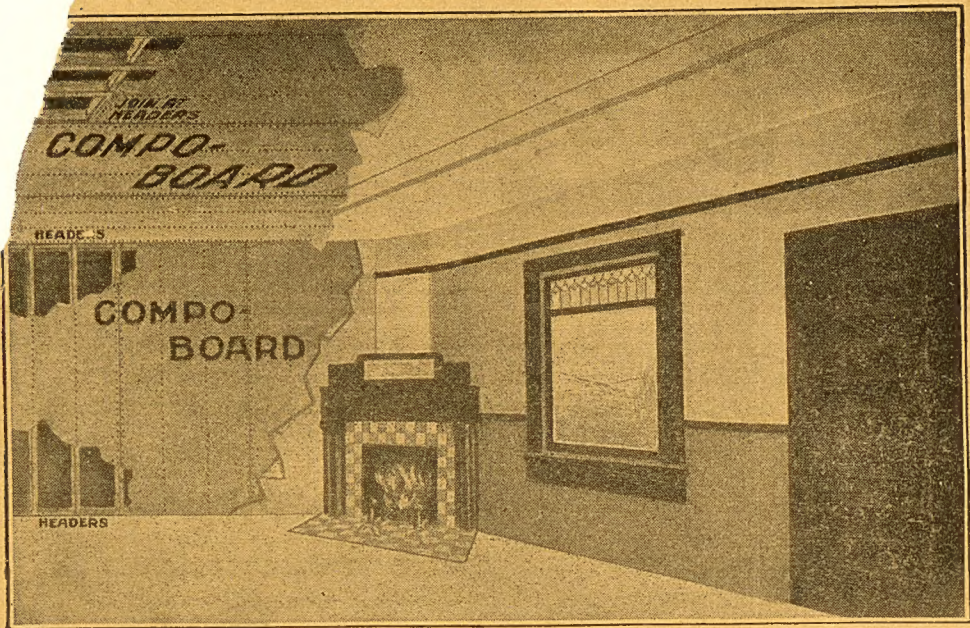
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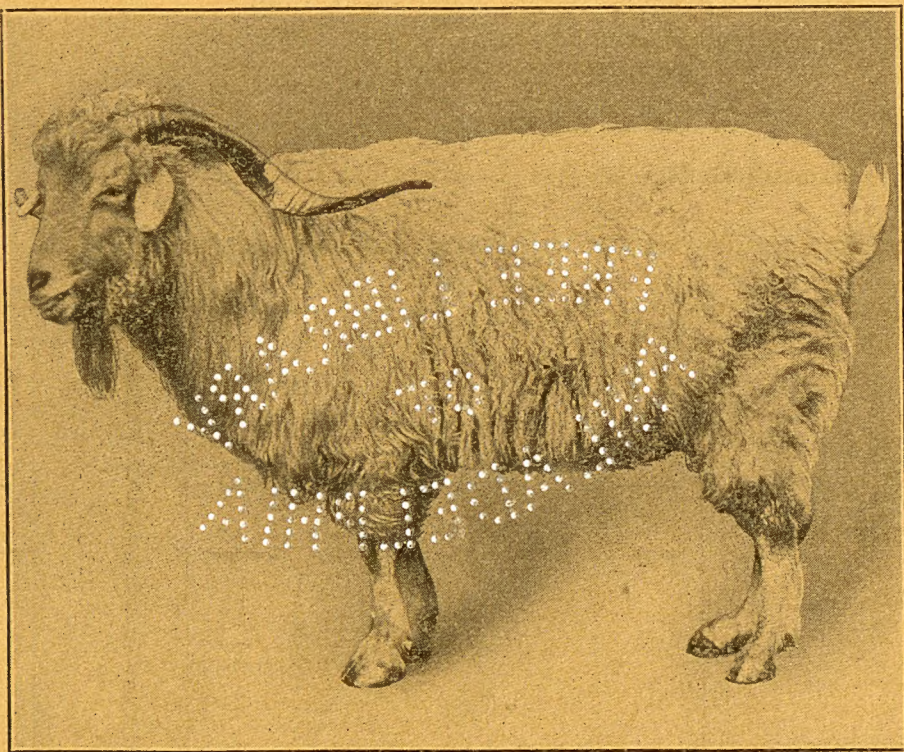
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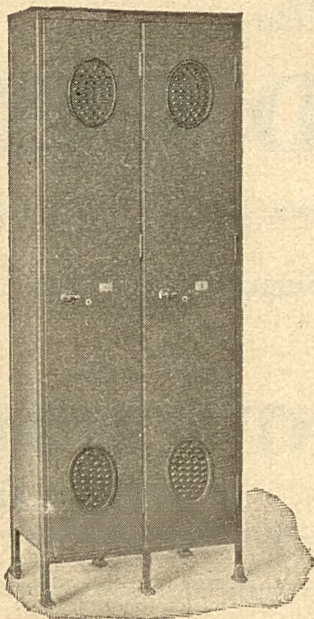
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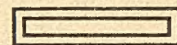
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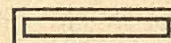
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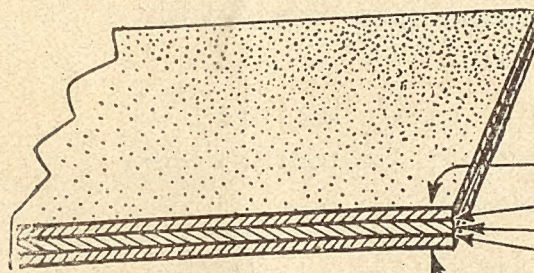
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# The Philadelphia Real Estate Record and BUILDERS' GUIDE

Containing Official Bulletin of the Master Builders' Exchange.

Vol. XXVII., No. 1.

PHILADELPHIA, WEDNESDAY, JANUARY 3, 1912.

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## Construction News

**New Operations; Architects and Owners; Cost Limit; Last Days of Filing Bids; Firms Figuring; Character of Material and Equipment Required; a Budget of Opportunities for Builders, Supply and Specialty Houses.**

**Brew House**, Second and Girard avenue. Architect, Otto C. Wolf, Denckla Building. Owners, C. Schmidt & Sons Brew Company, on premises. Brick, steel and concrete, four stories, 65x100 feet. Slag roof, electric lighting. Plans completed. Architect taking bids, due January 10th.

**Garage**, St. Martins, Philadelphia. Architects, Duhring, Okie & Zeighler, Bailey Building. Owner, I. M. Simon, St. Martins, Philadelphia. Stone, one story, 25x25 feet. Shingle roof, electric lighting. Architect taking bids, due January 3. F. B. Davis, 35 South Seventeenth street, is figuring.

**Residence**, Swarthmore, Pa. Architect, private plans. Owner, Linda DeArmond, Swarthmore, Pa. Brick and frame, 2½ stories, 30x42 feet. Shingle roof, electric lighting, steam heating. Owners taking bids, due January 3. James B. Flounders, 1329 Arch street, is figuring.

**Nurses' Home (add)**, Norristown, Pa. Architects, Baker & Dallett, 1629 Chestnut street. Owners, State Hospital for the Insane, Norristown, Pa. Brick and stone, three stories, two wings, 40x70 feet. Slate roof, electric lighting, steam heating. Owner taking bids, due January 10th.

**Church**, E and Rhawn streets, Fox Chase. Architects, Henon & Boyle, 14 South Broad street. Owners, St. Cecelia's R. C. Church. Stone, one story and basement, 40x135 feet. Tile roof, electric lighting, steam heating. Plans in progress.

**Post Office**, Mansfield, Ohio. Architect, J. K. Taylor, Washington, D. C. Owner, U. S. Government, Treasury Department, Washington, D. C. Stone, two stories, 60x100 feet. Tile roof, electric lighting, steam heating. Owners taking bids, due January 12th. Charles McCaul Company, Tenth and Sansom streets, are figuring.

**Storage House**, Fifty-second and Filbert streets. Architect, R. Werner, 5146 Market street. Owner, Wm. Freihofer, Esq., Twentieth and Indiana avenue. Brick three stories, 40x115 feet, slag roof, electric lighting, steam heating. Architect has received bids.

**Factory**, Front and Erie avenue. Architects, Day & Zimmerman, 608 Chestnut street. Owners, The Hess Bright Manufacturing Co., Front and Erie avenue. Brick and terra cotta, two stories, 203x218 feet, slag roof, electric

lighting, steam heating hardwood floors. Architects are taking sub-bids.

**Building (alt. and add.)**, Twelfth and Market streets. Architects, Hewitt, Granger & Paist, Bullitt Building. Owners, United Cigar Stores Co., New York City. Brick six stories, electric lighting, steam heating. Architects have received bids.

**Building (alt. and add.)** 145 North Ninth street. Architect, C. E. Rahn, 410 Walnut street. Owner Wm. Frizelen, on premises. Brick, five stories, slag roof electric lighting, steam heating. Architect has received bids.

**Laundry Building (alt. and add.)**, Ninth and Spruce streets. Architect, private plans. Owners, Pennsylvania Hospital, Ninth and Spruce streets. Brick, one story, 19x50 feet slag roof, electric lighting steam heating. Owners have received bids.

**Amusement Hall** Media, Pa., Architect, E. Allen Wilson, 1208 Chestnut street. Owner, H. C. Snowden Media Pa. Brick one story. 40x83 feet, slag roof, electric lighting, steam heating. Owner taking bids. Jas. B. Flounders, 1329 Arch street, is figuring.

**Residence**, Media, Pa. Architects, Stuckert & Sloan Crozer Building. Owner, J. P. Moore, Media Pa. Brick, 45x30 feet, electric lighting, slate roof, hot air heating. Owner taking bids. Jas. B. Flounders 1329 Arch street, is figuring.

**Pump House**, Swanson and Snyder streets. Architects, Ballinger & Perrott, 1211 Arch street. Owners, Baker, Smith & Page Snyder and Swanson streets. Brick, one story, slag roof, electric lighting. Architects have received bids.

**Restaurant (alt. and add.)**, 246 West Girard avenue. Architects, Sauer & Hahn, 1008 Chestnut street. Owner, Otto Schulze, on premises. Brick, one story addition, slag roof, electric lighting, steam heating. Architects have received bids.

**Apartment House (alt. and add.)**, 1628 Diamond street. Architect, Lewis Levi, Real Estate Trust Building. Owners, Diamond Realty Co., 137 South Thirteenth street. Brick, three stories, electric lighting, steam heating, slag roof. Architect taking bids due January 3. The following are figuring: H. Gill, Jr., 2200 Germantown avenue; Lam Building Co., 1001 Wood street; Jos. Myers, 1237 Ridge avenue.

**Residence**, Winston, Salem, N. C., \$15,000. Architect, C. B. Keen, Bailey Building. Owner, R. E. Lasater, on premises. Brick and half timber, two and one-half stories, 40x60 feet, hot water heating, slate roof. Revised plans in progress.

**Foundry and Forge**, Seventeenth and Cambria streets. Architects, Stearns & Cantor, Stephen Girard Building. Owners, Electric Supplies Co., Seventeenth & Cambria streets. Brick, one story, 30x50 feet, slag roof, electric lighting. Revised plans in progress.

**Bungalow**, Sharon Hill, Pa. Architect, F. G. Caldwell, Stephen Girard Building. Owner, P. G. Skillern, Sr., care architect. Hollow tile, two and one-half stories, 38x40 feet, shingle roof, electric lighting. Architect will take sub-bids.

**Residence**, 937 North Eighth street. Architect, Barnett J. Nedoff, 524 Walnut street. Owner, Ida Gitlen, 932 North Sixth street. Brick and stone, three stories, 20x64 feet, slag roof, electric lighting, steam heating. Owner will take sub-bids.

**Residences (75)**, Forty-seventh and Chestnut streets. Architect, F. J. Caldwell, Stephen Girard Building. Owner, Builder, J. C. Milligan, Land Title Building. Brick, two stories, 20x80 feet, slag roof, electric lighting, steam heating. Owner taking sub-bids.

**Residence**, Cynwyd, Pa. Architect, H. I. Reinhold, Tenth and Sansom streets. Owner, D. G. Gimber, Cynwyd, Pa. Stone and frame, two and one-half stories, 35x56 feet, electric lighting, steam heating, slate roof. Revised plans in progress.

**Residences (10)**, Forty-eighth and Parrish streets. Owners, name withheld. Builder and architect, J. S. Wilson, 1125 Brown street. Brick, two stories, 15x45 feet, slag roof, hot air heating, electric lighting. J. S. Wilson Co., 1125 Brown street, taking sub-bids.

**School**, Ninth and Lindley streets, \$125,000. Architect, J. H. Cook, City Hall. Owners, Board of Education, City Hall. Stone and brick, fireproof, three stories, 70x125 feet, slate roof, electric lighting, steam heating. Plans in progress. Architect ready for bids in about one month.

**Building (alt.)**, 1932 North Broad street. Architects, Sauer & Hahn, 1114 Chestnut street. Owner, Henry Mitchell, on premises.



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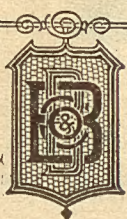
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Building (alt. and add.), 2009 North Broad street. Architects, Sauer & Hahn, 1114 Chestnut street. Owners, M. Rosenberg & Son, on premises. Brick, two stories, 14x26 feet, slag roof, vapor heating, electric lighting. Plans in progress.

Building (alt. and add.), 1902 Erie avenue. Architects, Sauer & Hahn, 1114 Chestnut street. Owner, Ruben Jacobs, on premises. Brick, three stories, 12x30 feet, slag roof, electric lighting, hot water heating. Plans in progress.

Residence (alt. and add.), Rosemont, Pa. Architects, Cope and Stewardson, 320 Walnut street. Owner, J. K. Mitchell, 3rd, Rosemont, Pa. Stone, two and one-half stories, copper roof, electric lighting, hot water heating. F. E. Wallace, 1210 Sansom street, is taking sub-bids.

New Front and (alt. and add.), Eleventh and Ludlow streets. Architects, Sauer & Hahn, 1114 Chestnut street. Owner, A. H. Geuting, 1230 Market street. Brick, three stories. Architects have received bids.

Store Building, South Carolina avenue, Atlantic City. Architects, Savery, Schaeiz & Savery, Stephen Girard Building. Owners, Leeds Company, Atlantic City, N. J. Brick, fireproof, one story and basement, 30x70 feet.

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Residence, Ardmore, Pa. Architects, Evans, Warner & Bigger, Witherspoon Building. Owners, the Misses Smith, care of architects. Tile and terra cotta, 2½ stories, 45x24 feet. Shingle roof, electric lighting. Architects taking bids, due January 6th. The following are figuring: William R. Dougherty, 1608 Sansom street; J. Myers & Son, Witherspoon Building; Gray Brothers, Rosemont, Pa.; J. Dyson, Ardmore, Pa.

Mill, Ruth and Somerset streets. Architects and builders, William Steele & Sons, 1600 Arch street. Owners, Orinoka Mills, on premises. Brick and concrete, five stories, 50x50 feet. Slag roof, electric lighting, steam heating. Architects taking sub-bids, due January 3rd.

Brew House, Second and Girard avenue. Architect, Otto C. Wolf, Denckla Building. Owner, C. Schmidt & Son Brew Company, on premises. Brick, steel and concrete, four stories, 65x100 feet. Slag roof, electric lighting. Architect taking bids, due January 9th. The following are figuring: A. R. Raff, 1635 Thompson street; F. A. Havens & Co., 845 North Nineteenth street; E. E. Hollenbach, Fifteenth and Race streets; Charles McCaul Company, Tenth and Sansom streets.

Hotel, Atlantic City, N. J., \$1,000,000. Arch-

itect, Horace Trumbauer, Land Title Building. Owner, P. A. B. Widener, Land Title Building. Lessees, Ritz-Carlton Hotel Company, New York City. Brick and steel, fireproof, ten stories. Slag roof, electric lighting, steam heating. Plans completed. Architect will soon take bids.

Residence, Chew and Phillenna streets, Germantown, \$5,000. Architect, A. Raymond Holland, Bailey Building. Owner's name withheld. Brick and half timber, 2½ stories, 21x60 feet. Shingle roof, electric lighting, hot water heating. Plans in progress.

Nurses' Home (add.), Norristown, Pa. Architects, Baker & Dallett, 1629 Chestnut street. Owners, State Hospital for the Insane, Norristown, Pa. Brick and stone, three stories, two wings, 40x70 feet. Slag roof, electric lighting, steam heating. Owners taking bids, due January 10th. J. P. Hurley, 1233 Cherry street.

Club House (alt. and add.), Torresdale, Pa. Architect, LeRoy B. Rothschild, 408 Walnut street. Owners, Liddonfield Club, Torresdale, Pa. Frame, one story. Architect taking bids. The following are figuring: T. C. Hafford, 1613 Sansom street; Lam Building Company, 1001 Wood street; A. Chamberly, 263 South Tenth street; Gaffney & Co., 146 North Twelfth street; J. F. McCloskey, 149 North Second street; B. K. Freas, Andalusia, Pa.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Residences (2), Overbrook, Philadelphia, \$23,700. Architect, Horace Trumbauer, Land Title Building. Owners, Wendell & Wright, Sixty-fourth and City avenue. Stone and frame, 2½ stories, 38x45 feet. Tile roof, electric lighting, steam heating, hardwood floors. Contract awarded to A. James, Bala, Pa.

Cafe (alt. and add.), 730 Market street, \$10,000. Architects, Stuckert & Sloan, Crozer Building. Owners, Horn & Hardart, 818 Chestnut street. New front, interior alterations, marble, electric lighting, steam heating, five stories. Contract awarded to H. R. Rust, 828 Filbert street.

Residence, Dudley avenue, Lansdowne, Pa.

Architects, Heacock & Hokanson, Bailey Building. Owner, Chas. S. Musser, care architects. Frame and plaster, two and one-half stories, 25x42 feet, shingle roof, hot water heating, electric lighting. Contract awarded to J. L. Loudon, Lansdowne, Pa.

Ward Buildings (2), and Corridor, Second and Luzerne streets. Architect, P. H. Johnson, Land Title Building. Owners, City of Philadelphia. Brick, two stories, 40x160 feet, slate roof, electric lighting, steam heating. Bids were opened at follows: J. G. Doak & Co., Crozer Building, on item No. 1, \$53,840; John R. Wiggins, Heed Building, on item No. 2, \$54,900; Ed. Fay & Son, 1521 Ranstead street, on item No. 3, \$11,890.

## Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

City of Philadelphia (O), City Hall. Wayne Contracting Company (C), 1218 Filbert street. Cost, \$130,000. House, two stories, brick, 232x133, Holmesburg, Pa. Cost, \$130,000. House, two stories, brick, 232x133 feet, Holmesburg, Pa. Cost, \$130,000. House, two stories, brick, 232x133 feet, Holmesburg, Pa. Cost, \$81,000. House, two stories, brick, 232x133 feet, Holmesburg, Pa.

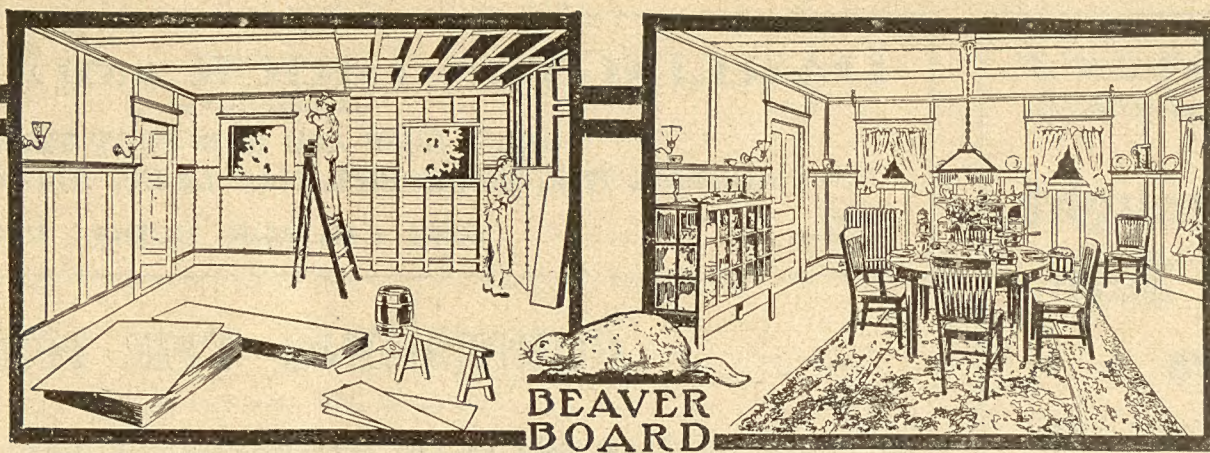
Ida Gitlen (O), 932 North Sixth street. M.

Gitlen (C), 932 North Sixth street. Cost, \$4,000. Residence, three stories, brick, 20x32 feet, 937 North Eighth street.

Spreckles Sugar Company, Meadow and Reed streets. Cost, \$250,000. Refinery, brick, nine stories, 136x100 feet, Dickinson and Syanson streets.

W. F. Stevens (O), Bustleton avenue. Cost, \$4,200. One store and dwelling, brick, 16x56 feet, 6130 Dittman street. Cost, \$21,000. Six





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Penhein & Perknyne (O), Land Title Building. Cost, \$6,500. One dwelling, brick, two stories, 36x61 feet, Fifty-eighth and Baltimore avenue. Cost \$5,500. One dwelling, brick, two stories, 36x61 feet, Fifty-eighth and Baltimore avenue. Cost, \$5,500. One dwelling, brick, two stories, 36x61 feet, Fifty-eighth and Baltimore avenue. Cost, \$5,500. One dwelling, brick, two stories, 36x61 feet, Fifty-eighth and Baltimore avenue. Cost, \$27,000. Six dwellings, brick two stories, 36x61 feet, Fifty-eighth and Baltimore avenue. Cost, \$27,000. Six dwellings, brick, two stories, 36x61 feet, Fifty-eighth and Baltimore avenue. Cost, \$27,000. Six dwellings, brick, two stories, 36x61 feet, Fifty-eighth and Baltimore avenue. Cost, \$300. Garage, Fifty-sixth and Baltimore avenue. Cost, \$300. Garage, Fifty-sixth and Baltimore avenue. Cost, \$300. Garage, Fifty-sixth and Baltimore avenue.

H. E. Manning (O), 2315 North Sixteenth street. Cost, \$800. Shop, brick, two stories, 17x17 feet, 2317 North Sixteenth street.

Wendell & Wright (O), Sixty-fourth and City Line. A. James (C), Bala, Pa. Cost, \$10,700. Dwelling, brick, three stories, 30x45 feet, Overbrook, Pa. Cost, \$13,000. Dwelling, brick, three stories 50x25 feet, Overbrook.

M. E. Cook (O), 243 Kalos street. Cost, \$1,800. Dwelling, stone, two stories, 15x30 feet, 239 Kalos street.

Adolph Weicht (O), 932 North Fifth street. P. J. Kileullen (C), 730 Rising Sun lane.

Women's Christian Association (O), 4108 Ridge avenue. Philip Haibach Construction Company (C), 2530 West Thompson street. Cost, \$1,100. Association, 4102 Ridge avenue.

J. M. Perrot, Chestnut Hill, Pa. H. Kohl (C), 124 East Gorgas lane. Cost, \$2,145. Garage, 132 Bethlehem Pike.

## Alterations and Additions

Bell Telephone Company (O), 1230 Arch street. Pomeroy Construction Company (C), 1609 Ranstead street. Cost, \$1,700. Storage, 14 North Preston street.

Trust Company of America (O), 505 Chestnut street. Ash Construction Company (C), 1323 Marvine street. Cost, \$1,115. Coal shed. Crescent and Bowman streets.

L. G. Hauserman (O), 2101 Hunting Park avenue. A. P. Fraim (C), 319 Market street. Cost, \$1,200. Store and dwelling.

T. E. Lauder (O), 1633 North Sydenham street. F. G. English (C), 1608 North Carlisle street. Cost, \$425. Store and dwelling.

John Schwartz (O), 629 West Moyamensing avenue. Cost, \$500. Dwelling.

Gardeners Restaurant Company (O), Eleventh and Cuthbert streets. W. F. Dougherty (C), 158 North Ninth street. Cost, \$875. Restaurant, Eleventh and Cuthbert streets.

W. G. Moore (O), Drexel Building. H. B. Coyle (C), 622 Filbert street. Cost, \$400. Factory, 1002 Buttonwood street.

E. Strokmen (O), 3022 North Fifth street. Cost, \$500. Store and dwelling, Fairhill and Cambria streets.

F. L. Shissler (O), 727 Spruce street. P. J. Hoff (C), 245 South Eighth street. Cost, \$940. Residence, 238 South Eighth street.

John Henry (O), 1336 Catherine street. J. M. Dewitt (C), 1212 Point Breeze avenue. Cost, \$500. Dwelling.

Catherine Schofield (O), Roxborough, Philadelphia. William Eddleman (C), Green lane,

Roxborough. Cost, \$600. Moving picture parlor, 1000 West Huntingdon street.

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Who pays in advance at the birth of each year.

Who lays down the money and does it quite gladly,

And casts round the office a halo of cheer.

He never says, "Stop it; I cannot afford it, I'm getting more magazines now than I read,"

But always says, "Send it; our people all like it—

In fact, we all think it a help and a need."

How welcome his check when it reaches our sanctum,

How it makes our pulse throb; how it makes our hearts dance!

We outwardly thank him; we inwardly bless him—

The steady subscriber who pays in advance.

—Exchange.

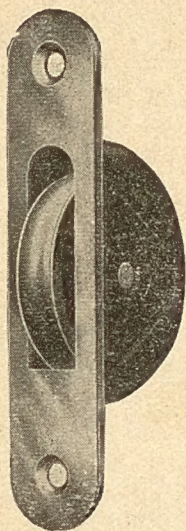
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## FURNISHING THE HOME

### Sidelights on How Not to Do It—Department Store Art—Cheap Etchings and "Shoddy" Works in Oil.

A woman was overheard describing how she furnished her country house, and the tale ran somewhat like the opening of Genesis. On Monday she went into town and bought her furniture, and on Tuesday her rugs. Wednesday was devoted to chinaware, Thursday to linen Friday to kitchen utensils. "And to-morrow," she appended with a sigh of relief, "I'm going in for the pictures and the bric-a-brac—then I'll be finished!"

"The pictures and the bric-a-brac!" Their coupling would seem like bitter sarcasm did we not know the naivete (a kinder word than ignorance) of the lady who uttered the sentence. There is no doubt as to the kind of pictures she bought—and probably paid high prices for too; for we have seen their shiny varnished surfaces and screeching gold frames in department store windows, marked as high as \$125 (along with others having just as much, or rather as little, intrinsic value and marked at \$1.25). There is just a faint ray of hope—that she did not buy oil paintings, but listened to the stiller, smaller voice of eighteenth century color prints, or of black-and-white reproductions of famous paintings. But even at this, would she not have to take the salesman's elastic word for the fame of the original and the excellence of the copy? And unless she went to a picture dealer who was above mere money-making, she would fare about as badly, for some of the dealers exploit the same "popular" art as the department stores. These men usually began as picture framers and realizing the added attractiveness that any bit of color gave to their ready-made frames, they filled them with highly-colored "chromos" and exhibited them in the business men's district, so that a man rushing to catch his train or ferry would dash in and buy a picture to take home, with the same degree of emotion as he would stop for a ready-wrapped box of candy or basket of fruit. This succeeded so well that the framers decided to add the "hand-painted" picture.

We know a woman who for some three years (until she saw the evil of her ways and reformed) acted as middleman between framers and impecunious art students. To these latter she would carry several tightly painted, excessively "niggled" and very vivid "original" oil paintings secured by the dealer from a certain well-known picture factory in Naples, whose customers are exclusively American tourists. (Tourist agents, cabmen, hotel runners, all receive a commission for

bringing purchasers to the studio of these supposed Neapolitan brothers, whose impressive Italian name with Roma or Napoli after it is signed with much flourish to each canvas). Well, our American framer having secured a small collection—Neapolitan beggars, red-robed cardinals sipping wine or playing chess, Turkish harem scenes, being the favorite subjects—gives them to his agent, who finds some needy art student who will make six facsimiles of each, to be sold "on the road" as originals. And woe betide the student who cannot bring himself to do the microscopic fineness of the original, for the framer will not permit the omission of even one infinitesimal pearl in the rings of the cardinals or the odalisques. The wretched painter receives for these pot-broilers, after working always through a magnifying glass unless he happens to be near-sighted, three or four dollars apiece; they are then sold as "originals of the famous Italian painter So-and-So, for never less than fifty dollars and are sent principally to the West. We met some Americans from Honolulu who bought four of them, for \$500, in Denver, to take back to their home in the Pacific.

Another stock in trade of the dealers is etchings, so-called. Without going into the process of etching we will simply remind the reader that an etched plate will yield some twenty good prints—numbered and signed by the artists, who then destroys the plate. Any proofs beyond, say, two dozen, would necessarily be fainter and without the quality of line that the first impressions yield. Now quality of line is everything in an etching—its very life; for if the line is to look like one made with pen and ink, why go through the difficult process of biting it into a copper or zinc plate by means of nitric or some other acid. The etched line should immediately be recognizable as such. If there were any manner of electrotyping the plate so as to draw from it hundreds of proofs that would yet retain the quality of an etching, even the connoisseur would have no grounds for complaint technically—only sentimentality, for he would rather own one of twenty prints than one of a thousand. But no such process has been discovered; yet some twenty years ago when this ancient art so beloved of Rembrandt and Albrecht Durer was drawn to the American attention, some men, notably one Field, scratched a few lines on a large empty plate, had the plate electrotyped, and sent the hundreds of impressions drawn from it



broadcast through the country. No bride, for a decade, escaped a "pair" as a wedding gift. Yet they had neither quality of line, composition of mass, value nor drawing; that they were utterly without inspiration goes without saying. They were palpably "pot boilers." The brook and cottage on the left of one plate took the place of the tree on the right of the other, while the rustic bridge usually remained in the middle to cut the composition into two equal parts. Yet homes innumerable possess these things and believe they own etchings. No doubt our friend who bought her pictures and bric-a-brac on Saturday secured one.

"What then, shall we buy in the way of pictures?" asks the home maker in desperation; for there are many who, even though denied by nature the discriminating sense for a good picture, or the training that would have atoned for lack of the artistic sense, wish, as a mere evidence of intelligence to put good art on their walls. Such people, of course, do not belong to that class that defend their wrong choice by reiterating that inane invention—"I don't know anything about art, but I know when I like a picture!" The safest course for these is to buy the picture they don't like. For the others, who have no faith in their own preference, a general rule would be to avoid modern stuff unless dealing first hand with the artist producing it. And even in this case, the artist should have as good credentials as the family physician. There are hundreds of women teaching art all over the country who are probably very good teachers for beginners, and who yet are not producing anything of merit. If your artist exhibits in any of the good exhibitions—New York, Philadelphia, Pittsburg, Chicago, Cincinnati, etc., and has any sketches in her studio that are within your means, you won't go far wrong in buying them—provided you really like them. If you want etchings, and a really unerring collector is always buying them even from comparatively unknown men in the hope of securing merit not yet fully understood, there are again ways of dealing first-hand with the artist. Our best monthlies publish delightful etchings from time to time generally one-third the real size that could probably be secured at a modest figure by a letter addressed to the artist in care of the publisher—unless he is such a celebrity that his work is handled exclusively by the dealers at their own figure. Otherwise he usually will be found not rapacious. Etchings of actual places, here or abroad, that are good enough to be published in a high grade magazine are good enough to be always worth their price or even to increase in value. Meryon's etchings of old corners of Paris, whose demolition he foresaw under the new planning of Baron Haussmann, are now worth a fortune to their owners, not only because they are splendid etchings, but because they are actual records. There are men making of New York and other American cities the same sort of etched history that Meryon made of the Paris of 1850, and, considering our rapid urban growth and change, these etchings can-

not fail to be investments as well as works of art.

Where neither paintings nor etchings are to be considered there are still obtainable at a good dealer's, prints of such established reputation that one can safely buy them—Holbein's drawings of the men and women he met at Henry VIII's court are eternally good—no waywardness of art's fads or fashions could make them one whit less human in character nor less delicate in line. Eighteenth century prints are always charming, though often frivolous; but it takes a good deal of taste to hang them in the appropriate place—but then, the right hanging of pictures is a whole story in itself. Photographs of paintings or fragments of paintings always have dignity, but they should be richly printed and of large—but here again a separate chapter could be written on the right size for one's pictures.—"The House Beautiful."

### A BALLADE OF BUILDING.

A new house seemed the natural thing  
When John had made his modest pile.  
So first we wrote an endless string  
Of "must haves." Then we studied style.  
John favored shingles. I loved tile  
For roofs, but John thinks plaster's cold,  
And brick's too stubborn. So I smiled,  
"I think we'd better stand the old."

Nan likes colonial, with a wing;  
Tom saw a villa on the Nile—  
"A corker!" he declares. I cling  
To baths and sleeping porches, while  
John's firm for fireplaces. Oh, I'll  
Be bound no house will ever hold  
The things we want! Though we revile,  
I think we'd better stand the old.

Our lot's unbought; we're balancing  
'Twixt hill and valley sites. "A mile  
From town, rules John, "where birds will  
sing;  
A pool, a pergola, a dial."  
For me the city has its wile.  
Who'd think such problems would unfold!  
Well, though it is a daily trial,  
I think we'd better stand the old.

### ENVOY.

Friend, do not trust (put this on file)  
Your dream to wood or stone; untold  
The snares that builders' steps beguile;  
You'd far, far better stand the old.

Julia B. Green, in Century.

### HINTS ON PAINTING OF EXTERIORS.

As a town is made up of individual houses, each must bear its part in making a picture that is artistic and pleasing when taken as a whole. Regardless of what color is chosen, do not paint in rainy, damp or dusty weather.

The newest style of painting for outside work is to use only one color, except as to sash and doors. The work is easier done in

this way, and it looks just as well as the old style.

Pure white is beautiful, but hard to keep clean. For that reason many take cream as the next best. Some prefer dark paints, and they cover up the defects of an old house. It is all a matter of individual taste. Ruskin said that the best painters delighted in bright colors, and those who took the wrong course spread dismal shades on their canvas.

In all cities there ought to be a sort of a color matcher in the building department who could give the choice of several hundred shades, but would draw the line at some of the lurid kind that hurt the eyes. Or a color card might be kept that would give so large a choice as to leave no cause for dissatisfaction and yet keep out some that are too coarse for a newly started mining camp.

There should always be three coats on the outside of a new house, especially if a light color is used; but two coats are often made to serve.

Shellac.—On paint work all knots must be shellaced before any paint is put on. This stops the flow of resin. It will flow over the finished surface, in some cases, if this is not done.

Priming.—Use lead and oil for priming or first coat. This is the best material for all coats. Some painters like ochre, but others will not use it. The other is safe. But on tin, galvanized iron and metal do not use lead and oil, but mineral. Lead and oil scale off the metal after a time. This applies to the first coat only. The other coats may be of the same material as is put on wood. Copper is not painted. This warning is sometimes required. Sheet metal should be painted on the underside before laying. Puttying should never be done before the priming. The raw wood sucks the oil out of the putty and it dries and drops out.

Alternatives.—Some prefer zinc white to white lead, and raw linseed oil to boiled. The boiled is used seven times out of ten. Very little, if any, turpentine is used on outside work.

Shingle Stains.—These are of many kinds. Green is the most expensive. Black seems to be the favorite. The soft green is beautiful, but there are many coarse, glaring greens that should not be used on a good house. The stain does not cover over the pores as paint does. It sinks into them, fills them, but still leaves the grain partly visible.

Sometimes the whole house is stained instead of painted, especially if the walls are shingled.—From the "Building Age."

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### WITH THE NEW BOOKS.

("The Practical Book of Oriental Rugs," by G. Griffin Lewis. J. B. Lippincott Company, Philadelphia and London).

Here is a volume for which the connoisseur, the intelligent amateur, and the collector of things rare and beautiful, have long been waiting—a book on the subject of rugs written by an acknowledged authority, couched in lucid English and most agreeably unburdened of phrases "caviare to the general;" a volume interesting, readable and instructive; quite as entertaining in its way as a popular novel.

Mr. Lewis knows his Orient as he knows the marvelous weaves that issue therefrom, and has, in addition, the happy faculty of being able to impart this knowledge without the faintest suggestion of that "dryness" peculiar to subjects beyond the common ken. How thorough is Mr. Lewis' treatment of his theme may be gathered from a review of the sub-heads under which he has conveniently grouped its various phases. "Cost and Tariff," "Dealers and Auction," "Antiques," "Advice to Buyers," "The Hygiene of the Rug," "The Care of Rugs," "The Material of Rugs," "Dyes and Dyers," "Weaving and Weavers," "Designs and Their Symbolism," "The Identification of Rugs," classifications of the different makes and weaves, together with a glossary of rug names, giving their derivation and pronunciation, are among the chapter features of this remarkable work.

If one happens to be a lover of the rare old rugs of the ever glamorous Orient, one rises from a reading of Mr. Lewis' book sensibly conscious of the charm, the poetry, the romance, the symbolism and patience of these primitive folks who have for ages woven into the beautiful products of their simple looms the hopes, the loves, the griefs and aspirations of a race. The volume is superbly illustrated, containing ten reproductions of famous rugs in color, and 75 in double-tone, in addition to 67 designs in line and a map of the rug centers of the Far East. IRVING DILLON.

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### "SLAG CEMENT" FROM A NEWS-PAPER STANDPOINT.

According to the "Engineering News," it is a well-known tendency of the daily newspaper to go wrong on technical matters. This tendency finds a fair field in the subject of slag cement, and, illustrating this, a paragraph is quoted from the Louisville "Courier-Journal:"

"It really seems as though nothing were worthless, if men only knew how to use it. The blast furnace affords an illustration. Stone is lighter than iron, and hence will float upon it like oil on water, when both the stone and the iron are melted in a furnace. Some of the stone which rises to the top becomes slag. For years millions of tons of slag were thrown away or used to fill up gullies on vacant land. But at last a use was found for it worth while. It is thrown while white hot into water, and is at once without further ado changed into Portland cement. As cement was never so much in demand for all sorts of purposes as to-day, it is fortunate that this very cheap way of making it was discovered. The man who first learned to do the trick deserves a monument more lasting than bronze."

American newspaper men are without doubt unsurpassed in enterprise and resourcefulness, and it is surprising how much superficial information regarding a technical subject an expert reporter will acquire in a few hours' time. His mind is trained to absorb quickly and intelligently the essentials regarding any matter encountered in the day's work, so we should cheerfully overlook the shortcomings

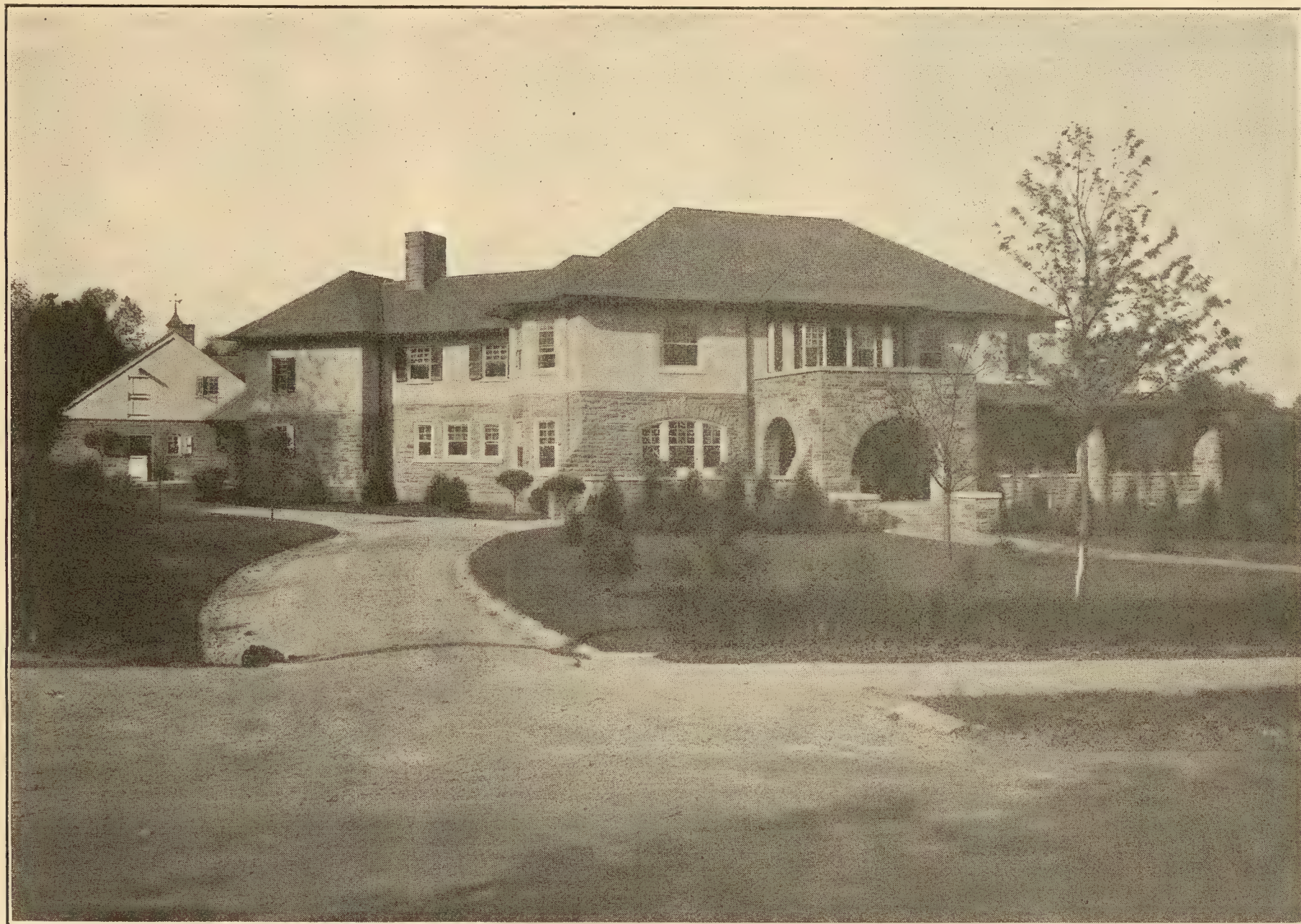
or mistakes of the few of the slag variety who sometimes get into the roaring furnace of journalism and float to the top. We hope that in this instance the writer of the paragraph quoted will not get into hot water or be thrown out, as he has certainly given Marse Henry's paper lots of free advertising in the technical press.—"Cement Age."

### EXPERIMENTS IN SOUND-PROOFING DWELLINGS.

Residents of apartment houses, who, while listening to the noises of the family upstairs or downstairs or across the hall, the dingdong practicing by the hour upon pianos not always in tune, the romping of children playing with dogs until it would seem as if the ceilings would certainly fall, not to mention the hundred and one other discordant sounds which fall harshly upon the ear, and have often regretted that there wasn't a law compelling the construction of absolutely sound-proof homes, may be interested in knowing that Prof. Nussbaum, the German scientist, has been studying the problem of the suppression of noises in dwelling houses. He has experimented both in the laboratory and in private houses. One point he has ascertained is that the more solid and tough and strong the building material is, the more quickly and loudly it conveys sound, and its conductivity can best be tested by strokes with a piece of metal. The higher the tone the greater the conductivity.

To the question, how are the sounds of the piano or the violin in the neighboring apart-





Architect  
Lawrence Visscher Boyd, Phila.

RESIDENCE OF SHEPLEY W. EVANS, MERION, PA.

ments to be excluded, Nussbaum has returned the suggestion that the ceilings be treated as he successfully treated his telephone cell—namely, to line them with a layer of zinc or lead.—“Building Age.”

### COST OF SCHOOL BUILDING EQUIPMENT.

An extended table of costs of school buildings in Boston is given in the annual report of the Boston Schoolhouse Department for the year ending January 31, 1911. The table covers the buildings erected since 1902. The cost per cubic foot of building averages for 30 buildings was about 22.8 cents per cubic foot. The building contract itself averages for the 30 buildings 83.7 per cent. of the total cost of the building, with extremes of 77 and 86 per cent.

The heating and ventilating contract averages 9.5 per cent. of the total cost of the building, with extremes of 15 and 7 per cent. The average cost of the plumbing contract amounts to 4.6 per cent. of the total cost of the building, and the average cost of the electrical work amounts to 3.4 per cent. of the total cost of the building. Three of the 30 buildings are high school structures, and for the 27 common schools the cost of building per pupil figures out at \$178. Or of the

high school buildings, designed to accommodate 540 pupils, cost \$548.25 per pupil, and the cubic contents are 1,267,682 cubic feet. A normal school building with 1,392,848 cubic feet of contents and accommodating 350 pupils cost \$940.65 per pupil. The third high school, having 1,388,807 cubic feet of contents and accommodating 600 pupils, cost per pupil \$495.19.

### PHOTOGRAPHY AS AN AID TO BUILDERS.

The camera has become useful to building contractors by its ability to prove the condition of works at any date. When necessary the photographs can be offered in evidence in a court of law. Some progressive firms are insisting upon the insertion in their contract of a clause giving them a right to use the camera.

A sub-contractor for the woodwork in a large building says he forfeited some \$2,000 for a delay for which he was in no way responsible simply because he was not in a position to prove that on a specified date the building had not progressed to the anticipated degree of completeness. The camera would have proven his case and saved his forfeit.—“Record and Guide,” New York.

### LARGEST BRICK PRODUCTION.

According to the United States Geological Survey 9,791,870,000 common brick were manufactured in the United States in 1909, also 1,023,654 vitrified paving brick and 816,164,000 front brick, a total of 11,631,688,000.

### THE CLARK MANSION.

It is said that former Senator W. A. Clark is going to present the city of New York with his \$7,000,000 Fifth avenue home, which has only recently been completed after eight years of work. It is stated to be the costliest residence ever built in America. The taxes assessed on it by New York City amount to more than \$200 a day.

The mansion contains 121 rooms, 31 baths and four picture galleries. No building in the world, according to experts who have inspected the interior, carries so much bronze as has been worked into this mansion.

The building contains one of the largest pipe organs in the world, which was installed at a cost of \$300,000. There are \$2,000,000 worth of pictures and \$500,000 worth of rugs.—the Architect and Engineer.

The chap that growls about business “doesn’t believe in advertising.”





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## Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the  
Structural Industries—What is Happening in Trade and Architectural Circles.

\*\*The Saw Dust Club, of Philadelphia, a select organization composed of the members of the Union League Club, who are affiliated with the lumber trade, gave its annual banquet at the Union League, this city, on Thursday evening, December 7. John T. Riley, of Charles S. Riley & Co., secretary and treasurer of the organization, acted as toastmaster, an office for which he is eminently fitted. Speeches were made by John F. Hope, president, of the Union League; William T. Tilden, vice-president, but recently elected president, of the League, and a number of others. The officers of the organization are: Frank C. Gillingham, president; John T. Riley, secretary and treasurer.

Those present, members: Frank Buck, Wm. J. Collins, George F. Craig, Charles Este, A. M. Fox, Jr., Frank C. Gillingham, Frank M. Gillingham, Robert C. Lippincott, E. B. Malone, John T. Riley, Franklin Smedley, Wm. Henry Smedley, Samuel B. Vrooman, George Warner, Robert F. Whitmer, Augustus J. Cadwallader, Edward F. Henson, John McLeen, Samuel E. Slaymaker. Members unable to attend: Emil Guenther, Charles H. Thompson, Howard Ketcham, Henry C. Riley and B. Franklin Betts. Guests: T. Ellis Barnes, Harold E. Gillingham, William T. Tilden, Jos. Hill Brinton, E. F. Perry, A. Raymond Raff, H. Stewart Moorehead, W. L. Lawson, C. Frank Williamson, W. Spence Harvey, Byron Brill, L. G. Buckwalter, William Kuemmerle, Jr., George H. Kochersperger, George M. Smith, James Sherlock Davis, Clayton W. Nichols, Joseph M. Steele, John H. Ireland, H. P. Robinson, James F. Hope, Malcolm G. Campbell, John W. Davis, John A. Calhoun, E. W. Deakin, Waldron Williams and Henry Cape.

\*\*The latest number of "Edwards' Metal Sheet," published by the Edwards Manufacturing Company, Cincinnati, Ohio, presents

in an attractive way the possibilities of metal tile in giving a handsome effect to buildings, while at the same time affording durable roof protection. We would suggest that any of our readers who have not yet received a copy should write for one to the Edwards Manufacturing Company.

\*\*Everyone who is at all acquainted with the Philadelphia wholesale lumber trade knows Emil Guenther, and everyone acquainted with him appreciates the fact that he is always ready to lend his time and assistance to any movement for civic or commercial advancement. In the last municipal campaign in Philadelphia, Mr. Guenther went one step further and got right into the heat of the fight for the winning side. During the recent election Mr. Guenther was made chairman of the German-American meetings and was unanimously elected on November 24 as chief marshal of the German-American division of the parade, which was held on Saturday afternoon, December 2, two days prior to the inauguration of the Mayor and other municipal officials. It is needless to say that Mr. Guenther carried off these honors with distinction, and in his new honored relation he will undoubtedly be heard from further in Philadelphia municipal affairs.

\*\*It is stated that as a result of the tests of Excelsior Double Wall Pipe, made by the Underwriters' Laboratories of Chicago, there has been mailed to every insurance company, underwriter and inspector affiliated with the enterprise, referred to, a card recommending the use in all buildings of Double Wall Pipe. The report of the laboratories has been issued in convenient form by the Excelsior Steel Furnace Company, Chicago, and will be mailed to leading furnace dealers, building contractors and architects throughout the country. The interest shown in the tests is illustrated by requests for information from

a number of engineering bureaus in Europe and from heating contractors in nearly every civilized country on the globe.

\*\*The American Blower Company, of Detroit, manufacturers of Sirocco fans, has established a Canadian factory at Windsor, Ont. The Canadian branch will be known as the Canadian Sirocco Company, Limited. Plans are under way for the erection of what will probably be the most complete plant of its kind in America. The erection of the shop and office buildings has already been commenced.

\*\*An attractive illustrated circular in two colors is being sent out by Follansbee Brothers Company, Pittsburgh, Pa. The circular is descriptive of Scott's extra coated hammered open-hearth roofing tin, and explains the process of manufacture and the operation of hammering the metal to give it the necessary working and wearing qualities. The company's plant is equipped with an 800-ton hammer.

\*\*Robert F. Whitmer, head of William Whitmer & Sons, the prominent Philadelphia wholesale lumber and manufacturing house, recently purchased from Senator Davis Elkins and brothers, of West Virginia, 10,000 acres of very choice timber land in Randolph and adjoining counties, that State. The mineral rights were reserved. The price paid is reported at \$600,000.

\*\*A handy and useful little card table, giving the standard gauges for sheet and plate iron and steel, with thicknesses in fractions of an inch, and weights per square foot, is being sent to the trade by the Wheeling Corrugating Company, Wheeling, W. Va.

\*\*E. W. Edwards, president of Edwards Manufacturing Company, of Cincinnati, Ohio, has been elected a member of the board of directors of the Cincinnati Business Men's Club.

\*\*Specimens of the various brands of tin andterne plates, cut in sizes of 5x7 inches, made and sold by the Follansbee Brothers Company, Pittsburgh, Pa., the well known manufacturers of hammered, open-hearth tin plate, have been assembled in the form of a hanger for ready reference by users of the material. Accompanying each specimen is a card giving net weights and full descriptive information. Altogether it is a very unique and interesting trade offering, and sheet metal workers will find it a useful guide. We are advised that no charge is made for this hanger, and readers of "The Sheet Metal Shop" may obtain one by dropping a letter or a postal to the Follansbee Brothers Company, Pittsburgh, Pa.

\*\*The National Glass Brick Company, at Connellsville, Pa., is operating its plant to capacity, the year of 1911 being the heaviest for new business the corporation ever experienced. It was during the last year that the company suffered a loss by fire, but the new plant has been completed, and is in operation. The business and plant is under the management of C. B. Lawton.



# Philadelphia Chapter Notes

## THE COURT IN AMERICAN ARCHITECTURE.

The Chapter held two meetings in December, in addition to the banquet which was given on the night of December 7th. The first, a regular meeting, was given over principally to a discussion of various matters of importance to the profession which might come up at the annual convention in Washington. Many of the delegates were present, the call for the meeting having stated that this discussion would take place and that the delegates desired to ascertain the views of the members so as to better represent them at the convention.

Several subjects were touched on, the principal one being that of competitions, which led to the adoption of the following instructions of the meeting to the delegates:

"The present system of competition regulation has proved, in the opinion of the Chapter, to be so beneficial to that method of selecting architects that the delegates from this Chapter are hereby instructed to use every proper means at the forthcoming convention of the Institute to prevent any changes which will affect the general system of competition regulation."

Mr. W. L. Black, the official delegate from the Chapter to the recent International Congress of Architects held in Rome last October, read a most interesting report on the Congress and his participation therein, which report was published in a recent issue of "The Guide."

After further discussion on the subject of the proper form and location of the Lincoln Memorial in Washington, the following resolutions were unanimously adopted:

Whereas, The Sixty-first Congress passed an act appointing a National Commission with authority to select a site and a design for a memorial to be erected to Abraham Lincoln, to be located in the city of Washington, subject to the approval of Congress; and

Whereas, The Washington Park Commission, whose valuable labors culminating in its report dated January 1, 1902, included the suggestion of a site for a Lincoln Memorial which they considered the most appropriate and fitting site in the whole District of Columbia for a memorial to Abraham Lincoln; and

Whereas, The National Fine Arts Commission, after giving careful study and thought to the question, approved the site chosen by the Park Commission; and

Whereas, The Park Commission in selecting a commanding and conspicuous site for the Lincoln Memorial were governed by the conviction that such a monument should stand without a rival in location, save only that of the Washington Monument, which is a memorial to George Washington, upon the theory that no other man in history of the nation is worthy to be named with George Washington. Now, therefore, be it

Resolved, That the Philadelphia Chap-

ter of the American Institute of Architects does earnestly advocate the site recommended by the Park Commission as being the most suitable and appropriate in every way for a memorial to Abraham Lincoln; and be it further

Resolved, That copies of this resolution be sent to the Lincoln Memorial Commission, to the Senators and Representatives in Congress from Pennsylvania, and to Glenn Brown, Secretary of the American Institute of Architects, The Octagon, Washington, D. C.

The special meeting was held for the purpose of passing a supplemental resolution to specifically condemn a roadway or any form of memorial to Lincoln other than a dignified monument in proper location, the resolution, which was unanimously adopted, being:

Whereas, The construction of a roadway as the nation's memorial to Abraham Lincoln is now being advocated; and

Whereas, The first consideration of any memorial to an individual should be its power to arrest and hold the interest of the observer by its appropriate character; now, therefore, be it

Resolved, That the Philadelphia Chapter, American Institute of Architects, desires to register its emphatic opposition to the construction, as a memorial, of such a roadway, which, however useful it might be, would in the opinion of this body be inappropriate and unsuitable as the national memorial to Abraham Lincoln, and would lack the monumental and tangible quality such a memorial should possess.

D. KNICKERBACKER BOYD,  
For Committee on Public Information.

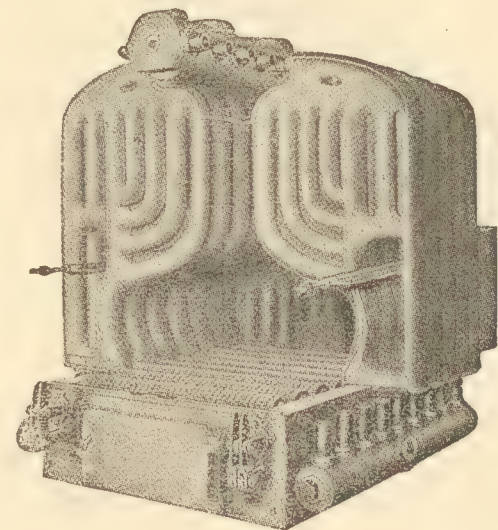
### PAINT IT EVERY YEAR.

Down East, in New England, and more particularly in Maine, painting is an annual function. The famous white houses, with the equally famous green shutters, are thus made new every year. True, the salt air of the Atlantic is a bit trying on paint, but that is not all. The coast population is composed largely of sailors, retired sailors, or the descendants of sailors. The sailor, for generations back, has painted his ship every year. Ashore, he clings to the practice. He has an unconsciously inherited knowledge of the value of paint, which he imparts just as unconsciously to the entire community. That is a striking instance of paint education. But, inland, it's necessary to educate property owners to the value of protecting their houses against the weather, just as the experience of ages has educated those who go down to the sea in ships.—"The Building Age."

Making a success of your line consists in keeping up with the procession. The man who doesn't advertise loses the band.

All along the Pacific Coast and down through Mexico, the court or patio is a significant feature in domestic architecture, more important and valuable even than the wide verandas and pergola porches. Our western life is more and more an out-of-door life. People are living near green trees and lawns, breakfasts and teas are eaten where flowers bloom, near the sound of fountains, and where fresh winds blow. The modern architect realizes that wherever the climate will permit he must arrange for outdoor living; and wherever space will allow, there must be the inner court where outdoor living can be made not only beautiful, but secluded. We have grown at last to know that a home is not merely walls and roof, but a place to live in beautifully and healthfully, and the more open space the home furnishes, the more hygienic the life is bound to be. As yet the widespread use of the court or patio has not reached the eastern edge of America. We are beginning, however, to think toward it intelligently, and it is bound to come, in spite of our climate, in spite of the fact that certain months of the year it could only be used as a playground for children, or as a beauty spot for the eye. We are growing in the east, as in the west, in artistic appreciation, as well as in our demands for more essential home qualities in our houses.—"The Craftsman."

"The Guide" isn't a portfolio of half-tone reproductions. It's an architectural newspaper. It prints facts and argument as well as pretty pictures. And type, Mr. Advertiser, costs more and counts more than mere pictures.



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### "INFLUENCE AND ETHICS OF COMPETITIONS."

One of the really notable addresses on the occasion of the recent convention of the American Institute, at Washington, was a paper on the "Influence and Ethics of Competitions," by Mr. Donn Barber. This question of competitions is rapidly becoming a paramount issue in contemporary architectural discussion. Mr. Barber refers to the competition as "a vexatious problem" and "one which in all probability will never be settled to the complete satisfaction of the building public or the practicing architect."

Conceding the apparent necessity for the competition in certain contingencies, Mr. Barber remarks the obviously declining popularity of this, at one time, general method of selecting an architect. "Can it be," asks Mr. Barber, "that the owner is gradually coming to see that competitions are, at best, very slow, and if properly conducted a most expensive method of choosing an architect? Is it possible that the owner realizes that an occasional good preliminary scheme is, after all, the real limit of the competition method, and that being the case, competitions are in the main of no advantage to him? Does the owner begin to appreciate the extreme difficulty of devising a scheme of competition that will afford him conclusive assurance and evidence of the winner's ability to secure for him the final and practical execution of the design selected, without committing him to unnecessary, if not inordinate expense?"

"Notable instances exist," says Mr. Barber, "where architects who have proven adepts in the preparation of competitive designs, men of extraordinarily developed imagination and possessing marvelous dexterity in draughtsmanship have been awarded the prize, and later the work, as a result of competition, and have during the prosecution of the work shown themselves to be devoid of practical experience and even lacking in the ability to discriminate in the selection of competent assistants or superintendents."

Replying to the oft-reiterated argument for open competitions that an unlimited competition may disclose some unknown but brilliant designer, Mr. Barber observes: "This reasoning might be valid if the sole object of a competition were to secure a brilliant set of sketches. But, unfortunately, sketches in themselves give no real evidence that their author has the technical knowledge or matured ability to fulfill the promise of his sketches through proper and adequate control of the work itself in execution." A recent competition in the far West, if trade journal reports may be regarded as reliable, would seem to go far toward sustaining Mr. Barber's views, as here expressed, touching the futility of assuming a satisfactory building from sketches of the showy sort that win in contests of the character mentioned.

In a protest filed to the award we note this decidedly peppery summing up of the "merits" of the winning design: "The drawings throughout are made to feast the

eye and fool the reason. The building can't be built for the money and will not fit the lot. The organ can't be heard, nor the arena seen. The 'movable' galleries can't possibly be moved; the emergency stairways can't legally be built. The only paying and permanent tenant is thrust into the attic, while a quite subordinate and occasional banqueting hall and buffet are 'featured' in the front of the building and its basement. The cloak rooms are but closets and the toilets are a joke. No vehicles can enter the arena, and those shown in the basement can never come out—on their own wheels. The elevators are set in lightless shafts much too small. The ceiling beams, which add to the cost and destroy the acoustics, are much too big. The front entry is exaggerated and the side exits are inadequate."

The award thus sharply and, apparently, with some justice, criticized and protested was for an auditorium—a building intended to house conventions and large gatherings of every description. The competition was held under, but according to the protesting element, not in conformity with the rules of the A. I. of A. It is interesting enough to be mentioned here, in connection with Mr. Barber's admirable address, as instancing some of the very drawbacks enumerated by him as objectionable to the whole competitive idea. "The Guide's" own thought upon the subject of competitions is well known. We have at all times and under any and all conditions opposed them. There is no object possible to a competition that can't be better gained, less expensively brought about and brought about to the accompaniment of less friction, annoyance and delay without than with competition. The old formula is still supreme.

Pick your architect. Pick one whose past experience equips him to do the class of work you want done. Outline your ideas of what you want to achieve. Then,—rest easy. Many of the finest things in American architecture were built upon this formula, and many still finer things may be expected from it in the years to be.

Competitions are all right in their way. The trouble is that, to use a current colloquialism, they don't weigh much.

### PITTSBURGH'S CIVIC IMPROVEMENTS.

"The Guide's" contention, disputed by some of its heavier architectural contemporaries, that to the architect belongs as a matter of training, right and special aptitude, the first place in any work having to do with city planning, is valiantly sustained by the splendid scheme evolved for the beautification of the city of Pittsburgh by the Pittsburgh Chapter of the American Institute of Architects and issued by this chapter in a pamphlet just received. This plan embodies a most admirable blending of the conceded natural advantages of the Smoky City with the best modern ideas for its development



along lines truly artistic. The objection to this as to every other comprehensive plan for the remaking of a city dwells in the costliness incidental to carrying it through to successful completion. Let us hope that Pittsburgh, living up to its reputation as a city of millionaires, will find a way to prevent this cost consideration from depriving her of a very great and lasting scheme of improvement. Philadelphia, on the very eve of realizing a scheme largely similar in its scope and purposes, has been set back ten years by a sudden spasm of municipal economy. Pittsburgh may enjoy better luck. Had Baron Hanssman, in his day, yielded to this passion for parsimonious expenditure the Paris of to-day would never have materialized. Great improvements entail great expenditures. The saving grace is that as a general rule they are worth fully all they cost.

### THAT SPECIAL NUMBER.

That Special Annual Building Report Number of "The Guide" is due January 17, and bids fair to be, in many respects, a notable effort. In addition to a number of special features of more than passing interest it will contain the business announcements of many of the leading concerns in various branches of the building and building material trades. It is planned also to present in this number a galaxy of opinions, expressed over their signatures by leading Philadelphia architects, of the esteem in which they hold "The Guide" as a thoroughly alert, enterprising and well-informed architectural newspaper. There still remains a limited amount of space in this number for reservation to advertisers who speak quick. True, we cannot, now, undertake to promise favors in preferred position. But, what of that? The special will be a good one, the edition unusually large, the number of extra copies circulated greater than upon any previous occasion and the company certified and congenial. In the words of the small boy at the old swimming hole: "Come on in! The water's fine!"

### SPACE FOR A SMILE.

Willie—"Say, pa, you ought to see the man across the street raise a house on jacks."

Pa (absently)—"Impossible, Willie. You can open on jacks, but a man is a fool to try to raise on them—er—I mean it must have been quite a sight.—"Puck."

\* \* \*

"My friend, the architect, has a hard job on his hands.

"What's that?"

"He has a rich customer who wants him to build an Italian vendetta around her new cottage."—"Baltimore American."

Honesty is at the bottom of craftsmanship the same as salesmanship. Also it is at the bottom of pretty nearly every other good business attribute.

## Recent Trade Literature

An attractive catalogue has been received from the National Sheet Metal Roofing Company, 339-345 Grand street, Jersey City, N. J., in which is presented for the consideration of architects, contractors and builders valuable information as to the merits of their metal shingles and metal tiles for the roof. This company make "Shingles That Last" of painted tin, galvanized tin and of pure copper. It is said there is "No Rattle to the Walter's Shingle." An interesting view in colors is shown on the front cover of a cottage which, instead of "A Thatch for Thy Roof" the roof is of Walter's Excelsior Tile. The product of this company is the result of twenty-eight years' experience in making a specialty of the manufacture of metal shingles and metal tiles. Copy of this catalogue will be sent free to readers.

\* \* \*

From the Montross Metal Shingle Company, Camden, N. J., a catalogue showing excellent views of some of their architectural designs in metal for roofing and siding. Why an ordinary metal roof rattles in a high wind is explained, and in this connection it is stated that Montross Metal Shingles and Tiles never rattle or blow off. The illustrations will be found interesting as well as instructive and the book will prove valuable for architects, contractors and builders.

\* \* \*

The American Sheet and Tin Plate Company, Pittsburgh, Pa., are sending out a perpetual calendar made of their Apollo Best Bloom that will last for ages. The figures indicating the day of the month are a light gray color on 5 by 5 inch black plates of good size, the months are on plates 6 by 5 inches projecting an inch above the date of the month. The whole is attractively decorated and its utility is beyond question. This company are extensive manufacturers of rigid reversible metal lath, corrugated roofing and siding; the MF roofing tin, hand dipped under the pure palm oil process, corrugated sheets which are said not to be subject to expansion or contraction, and other specialties, of which complete information is contained in their comprehensive and attractive literature.

\* \* \*

"How to Treat Concrete Floors" is the title of an unusually attractive little brochure issued by the Glidden Varnish Company, Cleveland, Ohio. Bound in green leather, stamped in gold, and printed on heavy deckled paper, this little volume attracts the eye, and at the same time contains a fund of valuable information presented in compact form. The problems to be solved in treating concrete floors and their solution are set forth in a logical and orderly manner, and though the brochure is, of course, an advertisement or the Glidden products, it contains so much valuable information that it will be welcomed

by architects and contractors who are doing work in concrete.

\* \* \*

"Niagara Sand Blast." The Niagara Device Company, Buffalo, N. Y., issues a circular descriptive of their sand blast and paint spray, both of which have been successfully used by many large companies and firms. The sand blast (which may be used for sand and cement also), is portable and simple in construction. It has been found most efficient in surfacing the exterior or interior of concrete structures. The manufacturers claim that it is easy to use, and that one unskilled laborer can with this device accomplish as much in a day as six men using the old hand method of scraping or bush-hammering. A copy of this circular will be gladly mailed to those interested.

\* \* \*

"Asphalt Floors" is the title of a booklet issued by the Standard Asphalt & Rubber Company, of Chicago. It contains brief descriptions of numerous important enterprises upon which "Sarco" mastic has been used for several years past with excellent results. Detailed specifications for asphalt floors are also included, and should be of interest to architects, engineers and managers of factories, etc. Copies sent free on request.

\* \* \*

"Pyramid Paints" for concrete have been placed on the market under the direction of Charles Macnichol, of Washington, by the Pyramid Paint Co., of Philadelphia. A discussion of the problems involved in painting concrete surfaces is presented in a neat little booklet, which is being sent free to those interested.

\* \* \*

"Speedwell Motor Trucks." The Speedwell Motor Car Company, Dayton, Ohio, has issued a well-designed and comprehensive catalogue devoted to Speedwell motor trucks. These trucks are built in four and six-ton capacities, and are being successfully used in many different industries. The illustrations include photographs of two six-ton trucks built for the Porto Rico Construction Company and used for carrying cement and other building materials.

### SAYING OF DISRAELI.

Patience is a necessary ingredient of genius.

The world is a wheel, and it will all come round right.

Apologies only account for that which they do not alter.

Youth is a blunder; manhood a struggle; old age a regret.

Man is not the creature of circumstances. Circumstances are creatures of men.



## Looking for Houses

If you are not renewing the lease of your residence for the year 1912, or if you are thinking of purchasing a home, do not take the trouble to look at any house offered to you unless it is wired and equipped for the use of Electricity. It will be but a very short time now before there will no longer be a builder in the city who will offer to sell or rent unwired houses to the public.

For rates and estimates consult



### GEORGE WASHINGTON, ARCHITECT.

"Many men of many minds" is a platitude which marks rather variation of opinion than of intellectuality, while the woman of many minds is but the 20th century descendant of an ancestor "semper mutabile." Now and then, however, in the passage of time, we find the man of many minds, in the stricter sense of the term. During the Renaissance it was no uncommon matter to find one who could turn from painting to music, from music to mathematics, from mathematics to war, from war to literature and from literature to architecture, engineering or physics, and excel in each. Even in later times when specialization increased, the same gift is sometimes found.

In the early days of our country, circumstances forced a varied activity upon the people and it is not surprising to find the father of his country revealing this trait, writes Lucy D. Thomson in the Springfield "Republican." Fondly as we cherish all that relates to him from the mythical tales of the cherry tree to the many Stuart portraits, his deeds as an architect are known to comparatively few. The central portion of Washington's home at Mount Vernon was built before it became his property, but after his retirement it proved wholly inadequate to his needs, and he set about enlarging and improving it; drawing the plans and elevations, writing the specifications, overseeing the workmen, laying out the grounds and transplanting shrubs and trees from his forests. The house was enlarged at each end and the eastern portico built. Curving arcades connected the house with the kitchen and storehouse, and the various accessory buildings were added, including the charming little

octagonal tool houses built on the wall. These, like the house, are of wood, paneled to imitate stone, and with brick bases. An icehouse was also built, to the great interest of the neighborhood, as it was a new thing in Virginia and not common anywhere.

There was, moreover, much building to do on Washington's farms—houses for the overseers, quarters for his 250 negroes, barns, etc. Washington writes of one of his brick barns: "It is equal perhaps to any in America." Another was of brick and wood, 16 sided and 60 feet in diameter. At the second-story level there ran a threshing gallery, 10 feet wide, with a slatted floor. An inclosed plane led to this, and the oxen were driven up for the treading, while the grain fell through the floor beneath.

Washington found time also to plan a number of houses for his friends. The best of these is, perhaps, Harewood, built for his half-brother, Col. Samuel Washington. It is a fine stone building, with generous halls and rooms wainscotted and with rather elaborate carvings. Lafayette gave the owner several marble mantelpieces, and pretty Dolly Todd was married to James Madison in its finest room.

Aside from domestic architecture, I know of but one building designed by Washington—Polrick Church in Fairfax County, Virginia. He was one of the building committee chosen to replace the old wooden building. As not infrequently happens in ecclesiastical architecture, a dispute arose over the site; some wished the new church on the site of the old one, while others opposed this. Among the latter was Washington, who finally settled the question by drawing a map, showing the house of each parishioner and proving the location he favored to be the center of population. He drew the plan and front elevation for the building, which, it must be confessed, has more the air of a school-house than of a church. It was built of brick made in the neighborhood, and has recently been restored to its original condition, as nearly as possible.

### STATE ARCHITECT SAVES PUBLIC MONEY.

Good things are coming out of New Jersey. It is said by the "Newark News" that since the creation of the office of State Architect five years ago there has been a saving of \$125,000. It is even more important that the change has resulted in the elimination of scandal in connection with the erection of buildings under State control. Some \$3,000,000 have been expended in new buildings, additions to old ones and changes in structures during the five years, and all this work has been carried out without a single charge being made of crookedness, carelessness or extravagance. This is in contrast to the old days when there was much wasting of funds appropriated for State buildings. Meanwhile there have been scandals in connection with court-house buildings in Hudson County and in Bergen County, not to speak of waste-fulness and graft in municipal buildings. The

original estimate of the architect for the Hudson County court-house, for example, was \$900,000, but the total cost of the building will reach over \$3,000,000.

### SOME DAFFY-DILS.

(From the Boston Transcript.)

Published with apologies to our esteemed friend, Joseph D. Coll, of the Chesapeake Iron Works.

Now if the file in a rasping tone should call the auger a bore,

And the monkey wrench a nut from the vise, would the plane just smooth things o'er?

If the house was full and the water drunk, would the hose reel all around?

And if the waters could speak as they flow, how would Long Island Sound?

If you board a spell at a shore hotel, is the billow that you pay?

If a single car weighs several tons, how much does the whole subway?

Can a scavenger be a cheerful man when he's always in the dumps?

If the water pipes in a dance hall burst, would the dancers use their pumps?

If a Harvard oarsman rows in a shell, in what does the salmon roe?

If no grass is grown in the frozen North, what then does the Eskimo?

If a gun missed fire, would a parachute? This stuff gives me a pain.

If Franklin Park is a beautiful place, why is Jamaica Plain?

If a bullfrog wore a hobble skirt, would the lily pad—and hark?

If a thief broke into a drug store, do you think that the dogwood bark?

If a parrot can swear can a crocus, too? Enough, ere we grow ill.

This is the frivolous sort of thing that is dubbed a Daffy-Dill.

\*\*The annual report of the Harbison-Walker Refractories Company, Pittsburgh, has been mailed to all stockholders. The annual meeting will not be held until January. The financial statement shows the company to have made \$1,686,335, or 4.33 per cent. on the common stock after the dividends on the preferred stock were paid.

\*\*A new addition to the Pittsburgh building dealers' supply business has been the McMahon Craig Weather Strip Company. The company has established offices in the downtown section and an active campaign for new business has been inaugurated.

### REAL ESTATE TRANSFERS.

Summary for week ending December 30th, 1911:

Number of transfers.....	399
Amount of transfers.....	\$1,347,298.50
Cash consideration .....	407,448.50
Mortgage consideration .....	939,850.00
Ground rent consideration.....	4,401.00
Which on a six per cent basis amounts to .....	73,350.00



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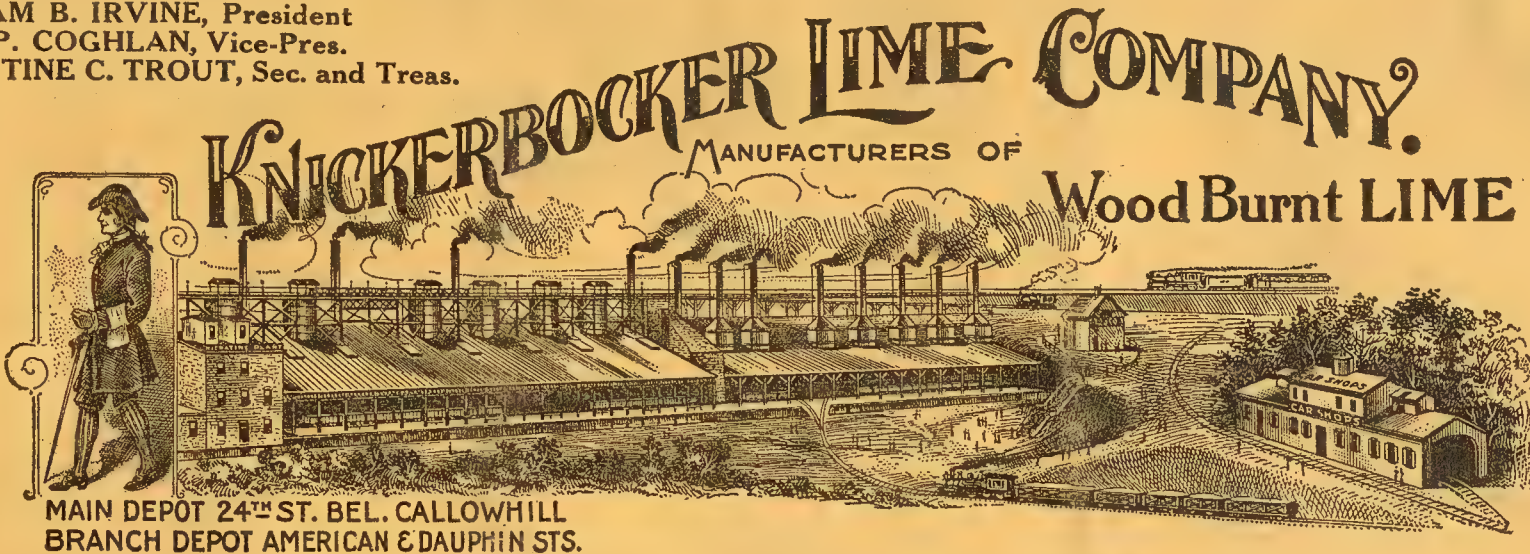
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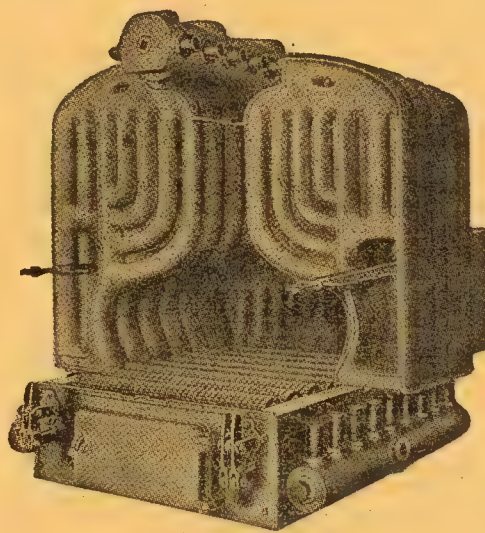
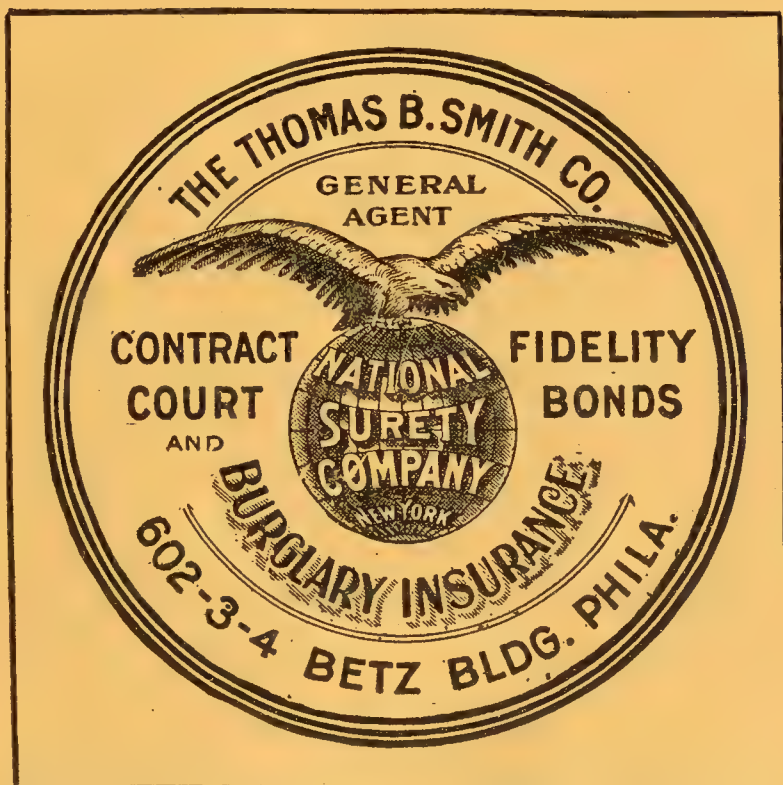
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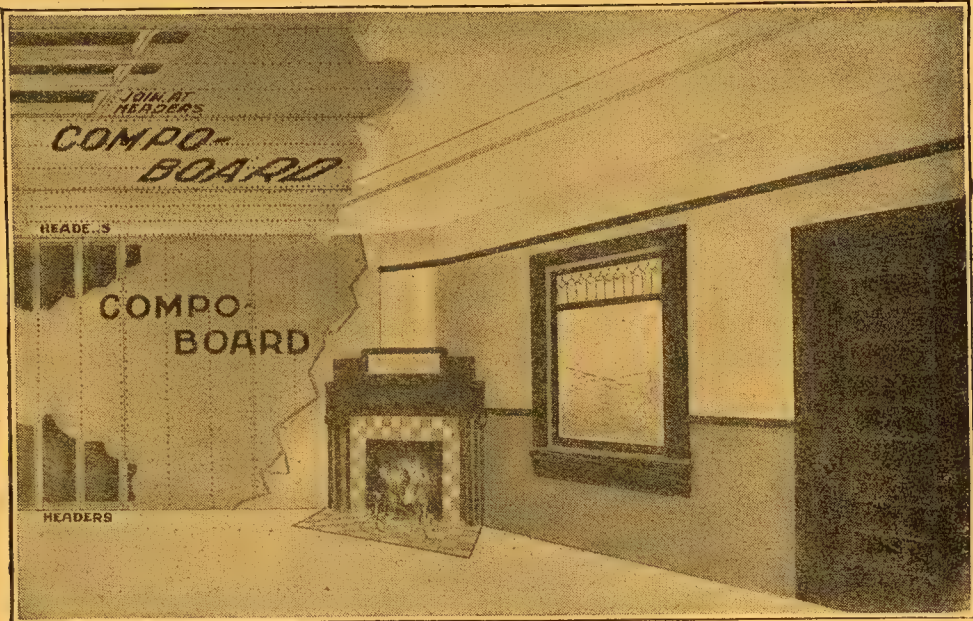
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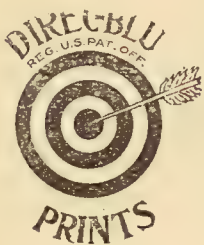
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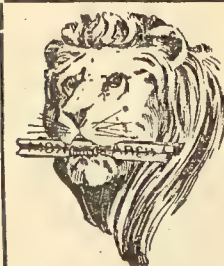
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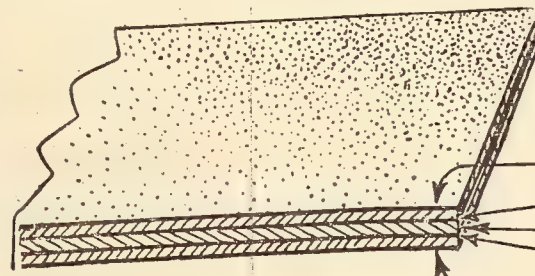
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Builders, Supply and Specialty Houses.**

**Parish House**, Girard and Leidy avenue. Architect, E. V. Seeler, Real Estate Trust Building. Owners, Grace P. E. Chuch, care of architect. Stone, three stories, 50x56 feet, electric lighting, steam heating, slag roof. Architect has received bids.

**Residences (45)**, Judson street, \$125,500. Architect, private plans. Owner, J. M. Holmes, 2903 Judson street. Brick, three stories, 16x60 feet, slag roof, electric lighting, hot water heating. Owner taking sub-bids.

**Auditorium**, South Broad street. Architect, Fred. Webber, Morris Building. Owner, Olympic Club, care of architect. Brick and terra cotta, two stories, 110x145 feet, electric lighting, steam heating, slag roof. Plans completed. Architect ready for bids in a few days.

**School**, Mt. Holly, N. J. Architect, Clyde S. Adams, 1233 Arch street. Owners, Board of Education, of Mt. Holly. Brick, two stories, slate roof, electric light, steam heat. Owners taking bids, due January 11th. The following are figuring: Richmond & Vennell, Moorestown, N. J.; W. S. Baldwin, 41 South Fifteenth Street; S. Schultz, 920 Moyamensing avenue.

**Garage**, Waverly and Noble streets. Architect, Horace Trumbauer, Land Title Building. Owner, Ed. L. Walsh, 1422 Spruce street. Brick, three stories, 32x50 feet, slag roof, electric light. Architect has received bids.

**Nurses Home (add.)**, Norristown, Pa. Architects, Baker & Dallett, 1629 Chestnut street. Owners, State Hospital for the Insane, Norristown, Pa. Brick and stone, three stories, two wings, 40x70 feet, slag roof, electric lighting, steam heating. Owners have received bids.

**Garage**, 1311-15 North Watts street. Architects, Sauer & Hahn, 1114 Chestnut street. Owner, Hon. Clarence Wolf, on premises. Brick and concrete, two stories, 51x60 feet, slag roof, electric lighting, steam heating. Plans in progress.

**Memorial Home**, Carlisle, Pa. Architect, H. I. Kast, Harrisburg, Pa. Owner, Sara A. Tood, Memorial Home, Carlisle Pa. Stone, three stories, 62x103 feet, slag roof, electric lighting, steam heating. Architect taking bids, due January 16th. H. I. Brown, 1714 Sansom street, is figuring.

**Factory**, American and Somerset streets. Architect, private plans. Owners, Hafleigh & Co., on premises. Concrete and brick, two stories, 40x40 feet, electric lighting, steam heating, slag roof. Owner taking sub-bids.

**Country Club**, Alexandra Bay, New York. Architects, Hewitt, Granger & Paist, Bullitt Building. Owners, Thousand Island Country Club, care of G. C. Bolt, Waldorf Astoria, New York. Stucco and timber, four stories, 48x100 feet, wing 40x42 feet, shingle roof, electric lighting, steam heating. Architects taking bids, due January 20th. The following are figuring: Armstrong & Latta, Land Title Building; J. B. Reed, Alexandria Bay; Archer & Co., Alexandria Bay.

**Store and Residence**, Seventh and Dudley streets. Architects, Barnet J. Medoff & Son, 524 Walnut street. Owner, Morris Kenin, care of Jacob Edelstein, northwest corner stories, slag roof, hot air heat, electric light. Owner is taking sub-bids.

**Residence (alt. and add.) for Apartments**, 3509 Baring street. Architect, private plans. Owner, Dr. Ross Hall Skillern, 2032 Chestnut street. Brick, three stories, electric light, steam heat, slag roof. Owner taking bids, due January 12th. The following are figuring: A. Bottoms & Sons, 41 South Fifteenth street; J. W. Emery, 1524 Sansom street; F. E. Wallace, 1210 Sansom street; F. E. Wallace,

**Chapel and Parochial School**, Fourth and Erie avenue, Camden, N. J. Architect, H. Dagit, 411 Walnut street. Owners, Holy Name R. C. Church, Camden, N. J. Stone and brick, 65x80 feet, slate roof, electric lighting, steam heating. Plans in progress.

**Y. M. C. A. (add.)**, Atlantic City, N. J., \$150,000. Architect, Horace Trumbauer, Land Title Building. Owners, Y. M. C. A., Atlantic City, N. J. Brick and stone, three stories, slag and tile roof, electric lighting, steam heating. Architect taking bids, due January 12th. The following are figuring: Roydhouse Arey & Co., Fidelity Building; J. E. & A. L. Pennock, Land Title Building; James G. Doak & Co., Crozer Building; Thompson & Stiles, Atlantic City, N. J.; Philip G. Hannum, Atlantic City, N. J.; Beard Construction Company, Colonial Trust Building, Reading, Pa.

**Residence**, Newport, R. I., \$300,000. Architect, Horace Trumbauer, Land Title Building. Owner, George D. Widener, and Title Build-

ing. Limestone, three stories, slate roof and copper, electric lighting, steam heating, hardwood floors. Architect taking bids, due January 15th. The following are figuring: George F. Payne & Co., 401 South Juniper street; J. W. Bishop & Co., 683 Atlantic avenue, Boston, Mass.; Norcross Bros., Tremont Building, Boston, Mass.; Geo. A. Fuller Company, Board of Trade Building, Boston, Mass.; J. T. Brady & Co., 103 Park avenue, New York City.

**Passenger Station and Sheds**, Midvale avenue, East Falls, Philadelphia, Norristown Branch. Architect, William Hunter, Reading Terminal. Owners, Philadelphia and Reading Railway Company. Brick, two stories, 38x50, slate roof, electric light, steam heat. Owners taking bids, due January 12th. The following are figuring: Charles McCaul Company, 10th and Sansom streets; H. E. Baton, Tenth and Sansom streets; J. G. Doak & Co., Crozer Building; Irwin & Leighton, 126 North 12th street; J. Myers & Sons, Witherspoon Building; N. P. Wells, Witherspoon Building; F. I. Hoover & Sons, Builders' Exchange; George Hogg, 1634 Sansom street; J. E. & A. L. Pennock, Land Title Building; John W. Emery, 1524 Sansom Street.

**Storage and Warehouse**, Fifty-third and Whitby streets. Architects, Ballinger & Perrot, 1211 Arch street. Owners, American Ice Company, Fifty-third and Whitby streets. Three buildings, brick and concrete, fireproof, three stories. Slag roof, electric lighting. Architects taking bids.

**Building (alt. and add.)**, 438 Market street. Architects, Bachman & Murphy, Witherspoon Building. Owners, Gately & Fitzgerald, 1710 Market street. Brick, five stories, new front, electric lighting, steam heating, slag roof. Owners taking bids. Charles McCaul Company, Tenth and Sansom streets is figuring.

**Home**, Fifty-fourth and Chester avenue. Architects, Ballinger & Perrot, 1211 Arch street. Owners, Little Sisters of the Poor, on premises. Stone, three stories, slate roof, electric lighting, steam heating, hardwood floors. Plans in progress.

**Residence**, St. Martins, Philadelphia. Architect, George C. Johnson, 1409 North Seventeenth street. Owner, Howard Cooper Johnson, Commonwealth Building. Stone, three stories, 75x8 feet. Electric lighting, hot water



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heating, shingle roof, hardwood floors. Architect has received bids.

**Office and Receiving Building**, Camden, N. J. Architects and builders, William Steele & Sons Company, 1600 Arch street. Owners, Joseph Campbell Company, Camden, N. J. Brick, two stories, 71x35 feet. Slag roof, electric lighting, steam heating. Builders taking sub-bids.

**Residences (31)**, Pike and Luzerne streets. Architect, private plans. Owners, P. J. & J. R. Whelen, 927 West Butler street. Brick, two stories, 16x52 feet. Slag roof, hot water heating, electric lighting. Owners taking sub-bids.

**Garage**, St. Martins, Philadelphia. Architects, Duhring, Okie & Zeighler, Bailey Building. Owner, C. A. Zieghler, Bailey Building. Stone, one story, 20x27 feet. Electric lighting, shingle roof. Architects have received bids.

**Residence**, Upsal street and Wayne avenue. Architects, Savery, Sheetz & Savery, Stephen Girard Building. Owner, Frederick Shaw, Walnut lane and Wayne avenue. Brick, ough east, 2½ stories, 37x44 feet. Hot water heat, electric lighting, slate and shingle roof. Architects taking revised bids, due January 10th. The following are figuring: Henry Specht, Jr., Willow Grove, Pa.; F. E. Heavener, Norristown, Pa.; W. Lawler, Norristown, Pa.; William Godshalk, Coatesville, Pa.; E. A.

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Carroll, Sixty-third and Arch streets; William H. Schultz, 3812 North Eighteenth street; E. T. Poley, Trpper, N. J.; Philadelphia Fireproofing Company, 1341 Arch street; E. E. Durrell, 1713 North Twenty-seventh street; J. E. Walt, 204 East Willow Grove avenue; F. E. Elvidge, 5522 Germantown avenue.

**Building (alt. and add.)**, 1933 North Broad street. Architects, Sauer & Hahn, 1114 Chestnut street. Owner, Henry Mitchell, on premises. Brick, three stories, electric lighting, vapor heating. Architects taking bids, due in a few days. The following are figuring: J. Myers & Sons, Witherspoon Building; Lam Building Company, 1001 Wood street; J.

S. Wilson Company, 1125 Brown street; F. A. Havens & Co., 845 North Nineteenth street; Smith Hardican Company, 1606 Cherry street; A. R. Raff, 1616 Thompson street.

**Bungalow**, Sharon Hill, Pa. Architect, F. G. Caldwell, Stephen Girard Building. Owner, P. G. Skillern, Sr., care of architect. Hollow tile, 2½ stories, 38x40 feet. Shingle roof, electric lighting, hot water heating. Architect taking bids, due January 9th. The following are figuring: J. B. Flounders, 1320 Arch street; John F. Davies, 1208 Chestnut street; Bowers & Logan, 2010 Chancellor street; H. E. Baton, Tenth and Sansom streets.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Barn and Cottage (No. 25)**, Darlington, Pa. Architects, Cope & Stewardson, 320 Walnut street. Owners, Glen Mills School, Darlington, Pa. Cottage, three stories. Brick, 80x80 feet. Barn, two stories. Stone and brick, 101x51 feet. Electric lighting, slate and slag roof, steam heating. Contract awarded to J. B. Flounders, 1329 Arch street.

**Building (alt. and add.)**, 227 South Broad street. Architects, Stuckert & Sloan, Crozer Building. Owners, B. & J. Wasserman, 1227 South Broad street. Brick, two stories, slag roof. Contract awarded to William R. Dougherty, 1608 Sansom street.

**Bottling House**, Ambler and Adams streets. Architect, C. T. Biswanger, 411 Walnut street. Owners, Weisbrod & Hess Brewing Company, Adams and oHlman streets. Brick and steel, two stories, 43x90 feet. Slag roof, electric lighting. Contract awarded to P. Haibach Contracting Company, Twenty-sixth and Thompson streets.

**Residence and Garage**, Atlantic City, N. J. Architect, Horace Trumbauer, Land Title Building. Owner, Charles A. Daniels, 629 Market street. Brick and stucco, three stories, 75x49 feet. Garage, one story, 31x22 feet. Tile roof, steam heat, electric lighting, hardwood floors. Contract awarded to Milton W. Young, Overbrook, Pa.

**Stable**, Villanova, Pa. Architect, Horace Trumbauer, Land Title Building. Owner, Mr. S. H. Darlington, Villanova, Pa. Stone and plaster, two stories, 114x90 feet. Slate roof, electric lighting, steam heating. Contract awarded to Milton W. Young, Overbrook, Pa.

**Restaurant (alt. and add.)**, 246 West Girard avenue. Architects, Sauer & Hahn, 1114 Chestnut street. Owner, Otto Schulz, on premises. Brick, one story addition, slag roof, electric lighting, steam heating. Contract awarded to William R. Dougherty, 1608 Sansom street.

**Factory (alt. and add.)**, 25-29 North Thirtieth street. Architects, Sauer & Hahn, 1114 Chestnut street. Owner, M. Bacherack, on premises. Brick, four stories, 74x50 feet. Electric lighting, steam heating, slag roof. Contract awarded to F. A. Havens & Co., 845 North Nineteenth street.

**Passenger Station**, SummitS avenue, Jersey City, N. J. Architect, William Cookman, Broad Street Station. Owners, Pennsylvania Railway Company. Brick and concrete, two stories, 57x60 feet. Slag roof, electric lighting, steam heating. Three sheds, steel, 16x300 feet. Contract awarded to J. S. Rogers Company, Moorestown, N. J.

**Building (alt. and add.)**, Thirty-second and Spring Garden streets. Architect, private plans. Owner, N. Herbert, on premises. Brick, three stories, electric lighting. Contract awarded to Abel Bottoms & Sons Company, 41 South Fifteenth street.

**Store Building (alt. and add.)**, Tenth and Market streets, \$30,000. Architects, Stearns & Castor, Stephen Girard Building. Owners, Berg Brothers, Tenth and Market streets. Brick, six stories. Contract awarded to A. Raymond Raff, 1635 Thompson street.

**Academy (alt. and add.)**, Chestnut Hill, Philadelphia. Architects, Harris & Richards, Drexel Building. Owners, St. Joseph's Academy, Chestnut Hill, Philadelphia. Stone, three stories, electric lighting, steam heating, hardwood floors. Contract awarded to John McShain, 631 North Seventeenth street.

**Dye House**, 1923 East Westmoreland street, \$5,000. Architect, private plans. Owners, Richardson & Weir, on premises. Brick, one story, 30x71 feet. Electric lighting, slag roof. Contract awarded to McLaughlin Brothers, 521 St. James street.

**Club House**, Easton, Pa. Architect, W. M. Michler, Easton, Pa. Owners, Country Club of Northampton County, Pa. Stone and plaster, 2½ stories, 45x115 feet. Shingle roof, electric lighting, steam heating, hardwood floors. Contract awarded to W. H. Snyder, Easton, Pa.

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J. M. Holmes (O), 2901 Judson street. Cost, \$50,000. Twenty-one brick dwellings, two stories, 18x58 feet, Twenty-fourth and Cambria streets. Cost, \$2,500. One store and dwelling.

E. A. Carroll (O), 700 North Sixty-third street. Cost, \$20,000. Four dwellings, brick three stories, 43x27 feet, Germantown, Philadelphia.

W. J. Mitchell (O), Seventy-seventh and Brenester avenue. Cost, \$3,600. Two dwellings, brick, two stories, 16x42 feet, Eightieth and Lyons avenue.

J. C. Burkholder (O), 5918 North Ninth street. Cost, \$2,000. Dwelling, brick, two stories, 16x50 feet, Broad and Nedro streets.

C. B. Tustin (O), 1435 Snyder avenue. William Isles & Co. (C), 1021 Gillham street.

Cost, \$1,000. Store, brick, two stories, 16x22 feet, 1437 Snyder avenue.

Richardson & Weir (O), 1923 Westmoreland street. McLaughlin Brothers (C), 521 St. James street. Cost, \$5,000. Dye house, one story, brick, 30x70 feet. 1923 Westmoreland street.

Orinoka Mills (O), Ruth and Somerset streets. William Steele & Sons (C), 1600 Arch street. Cost, \$20,000. Mill, five stories, 60x50 feet, Ruth and Somerset streets.

Yachnitz Brothers (O), 1202 North Seventh street. Cost, \$4,000. Dwelling, brick, three stories, 16x60 feet, 622 South Sixth street.

Louis Sigel (O), 8405 Eastwick avenue. Cost, \$2,000. Store and dwelling, brick, three stories, 13x24 feet, 1450 South Seventh street.

Hahnemann Hospital (O), Broad and Race streets. A. MacTavish & Hazzard (C), 1515 Pine street. Cost, \$390. Hospital.

Patrick Gallagher (O), Thirteenth and Quarry streets. J. N. Gill & Co. (C), Heed Building. Cost, \$5,000. Saloon, Thirteenth and Quarry streets.

N. Herbert (O). A. Bottoms & Sons (C), 41 South Fifteenth street. Cost, \$800. Store and dwelling, Thirty-second and Spring Garden streets.

Landegan Brothers (O), 3657 Woodland avenue. W. L. Frame (C), 835 Holly street. Cost, \$1,400. Store, 3649 Woodland avenue.

Frinch Estate (O), 1620 Poplar street. J. McCann (C), 1704 Poplar street. Cost \$700. Store, 1749 Cambridge street.

Agnes Frazier (O), 5713 Market street. Fisher & Scull (O), 6033 Market street. Cost, \$1,000. Dwelling and store, Eighth and Butler streets.

Jones Cafe and Catering Company (O), 4051 Lancaster avenue. W. F. Dougherty (C), 158 North Ninth street. Cost, \$375. Restaurant, 4051 Lancaster avenue.

Fortieth Ward Republican Club (O), Fifty-seventh and Woodland avenue. C. F. Bachler (C), 27 South Eighteenth street. Cost, \$380. Club, Fifty-seventh and Woodland avenue.

I. Baron (O), Twenty-seventh and Somerset streets. A. Shestack (C), 528 Reed street. Cost, \$1,300. Store and dwelling, 2806 Lehigh avenue.

Otto Schultz (O), 246 Girard avenue. W. R. Dougherty (C), 1608 Sansom street. Cost, \$3,000. Restaurant and dwelling, 246 Girard avenue.

Henry Schmidt & Bro. (O), 321 New street. Robert Beatty & Bro. (C), 2314 East Dauphin street. Cost, \$1,400. Factory, 321 New street.

## Alterations and Additions

W. S. Diamond (O), Tulip and Westmoreland streets. D. W. O'Dea (C), 3219 North Fifth street. Cost, \$800. Office, Tulip and Westmoreland streets.

P. Hill (O), 3718 North Broad street. Howard Smith & Co. (C), 3518 Germantown avenue. Cost, \$800. Dwellings, 3716-18 North Broad street.

R. Cherrys (O), 503 Maplewood avenue. Howard Smith & Co. (C), 5518 Germantown

avenue. Cost, \$400. Store, 5545 Germantown avenue.

Wallace E. Powelson (O), 2232 North Twenty-ninth street. E. C. Durrell (C), 1713 North Twenty-seventh street. Cost, \$630. Store, 2232 North Twenty-ninth street.

Regina Gerber (O), Fifteenth and Thompson streets. F. A. Havens & Co. (C), 845 North Nineteenth street. Cost, \$3,000. Store, Fifteenth and Thompson streets.



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J. Buckley (O), 405 East Somerset street.  
C. Dear & Sons, 3518 Kensington avenue.  
Cost, \$500. Dwelling, Kensington avenue and  
Atlantic.

Belmont Avenue Baptist Church (O), Bel-  
mont and Westminster avenues. Charles Kins-  
ler (C), Forty-fourth and Belmont avenue.  
Cost, \$600. Church, Belmont and Westmin-  
ster avenues.

Lydia Faust (O), 1629 North Mervine  
street. C. H. Faust (C), 1508 West Susque-  
hanna avenue. Cost, \$500. Store and dwell-  
ing, 1520 West Susquehanna avenue.

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J. A. Dougherty (O), 1156 North Front  
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Girard avenue.

E. K. Taylor & Co. (O), 8-10 North Sixth  
street. C. F. Bachler (C), 27 South Eigh-  
teenth street. Cost, \$1,111. Store and office,  
10 North Sixth street.

W. Gretz (O), Germantown avenue and Ox-  
ford street. C. F. Bachler (C), 27 South  
Eighteenth street. Cost, \$535. Saloon,  
Fourth and Cumberland streets.

Seofield Mason Company (O), Cumberland  
street, between Fifth and Sixth streets. Pow-  
ers Equipment Company (C), 1218 Chestnut  
street. Cost, \$4,000. Mill, Fairhill and Cum-  
berland streets.

Pennsylvania Railroad (O), Broad Street  
Station. Frank Mark (C), Twenty-first and  
Cambridge streets. Cost, \$4,000. Coal yard.

R. J. Ederer Thread Company (O), 4051  
Lancaster avenue. W. F. Dougherty (C), 158  
North Ninth street. Cost, \$375. Restaurant,  
4051 Lancaster avenue.

## Report of Committee to Consider Reports of Chapters, Convention of American Institute of Architects.

December 13, 1911.

The Committee to consider Reports of  
Chapters finds that of the thirty-two chapters  
of the Institute all have submitted reports  
with the exception of three, they being At-  
lanta, Buffalo and Dayton. The Chapter-at-  
Large has, of course, not sent in any report.

We deplore the lack of interest and en-  
deavor which the absence of reports from the  
three mentioned chapters indicates, but we  
likewise are highly gratified at the evidence  
of unusual activity which the majority of the  
other reports convey.

In regard to the Chapter-at-Large we re-  
commend that wherever possible the members  
of same be urged to affiliate themselves with  
the nearest Chapter. For the remaining  
members of the Chapter-at-Large we suggest  
that some arrangement be made by the Board  
of Directors whereby some definite organiza-  
tion may be accomplished for the cohesion of  
this now disintegrated portion of our mem-  
bership. This body of men, numbering al-  
most one hundred and fifty, which is nearly  
one-seventh of the total institute membership,  
while it must, in the natural course of events,  
bear a gradually decreasing proportion, should,  
we feel, during the remainder of its existence  
preserve a personal touch with the institute  
by some approved form of organization.

The first thing which strikes us in the re-  
ports of chapters is the few meetings which  
have been held by some of them. In this con-  
nection we recommend that the secretary of  
the institute communicate with all such chap-  
ters and urge upon them the desirability of  
increasing their usefulness to the profession  
in their territory, as well as to the community  
in which they exist by holding meetings at  
more frequent intervals.

An increase in the number of meetings  
would furthermore afford an opportunity for  
lectures to be given or papers to be read of  
interest to profession and public alike.

Such series of talks have been given the  
past year by many of the chapters, among  
them Brooklyn, Southern California, Iowa and

notably so by the Illinois Chapter, which has  
had no less than thirteen such occasions.

We notice that in the case of several of the  
chapters the average attendance has been  
very low. We feel that the officers of all  
chapters should realize the necessity of main-  
taining a greater interest on the part of mem-  
bers, one of the surest evidence of which is  
attendance at the meetings. This, moreover,  
insures an active participation by the mem-  
bers in the affairs of the chapters. It is not  
equitable or just that upon a small body of  
men in each chapter should fall all or most of  
the work of that particular chapter. As all  
the members of each chapter reap the bene-  
fits of these labors each member should feel  
it his duty, if not a privilege, to himself and  
to his chosen profession, to share at least  
somewhat in the distribution of the work  
which produces those benefits.

The proportionately large attendance at the  
meetings and the general participation in  
chapter affairs appears especially noteworthy  
the past year in the Boston, New York, San  
Francisco, Brooklyn, Philadelphia, Southern  
California and Illinois Chapters.

As a partial means of increasing attend-  
ance, we believe that if each chapter would  
make a practice of preparing, with care and  
enthusiasm, yet with due regard for veracity,  
a printed or typewritten set of minutes and  
distribute them, as soon as practicable after  
the meeting to each member of the chapter,  
it would prove the means of attracting to  
subsequent meetings the stayaways who are  
not otherwise reached and who consequently  
do not know of the interesting things which  
are being done on their behalf. Furthermore,  
the interchange of such or of revised and  
edited minutes between all chapters through  
a Committee on Public Information or other-  
wise would, we feel, go a long way in foster-  
ing a fraternity of the chapters and bring  
about that greater esprit-de-corps so essential  
to the life and welfare of the institute.

This method of procedure has been, to a  
limited extent, adopted by the Colorado Chap-



ter, the Michigan Chapter and others which issue monthly printed minutes; by the New York Chapter which prints a quarterly report and by the Philadelphia Chapter which has been publishing, in an architectural publication, weekly Bulletins for distribution to the members of the chapter,—to the profession at large in that city—and to the other chapters throughout the country. But as yet there is no co-ordination in this.

Our attention is forcibly arrested by the woeful lack of increase in the membership of the chapters and of the institute as well. New York, however, is a rare exception in this respect and deserves especial commendation for having added almost fifty members to its roster in the past year alone.

Other chapter which show that they are fully alive to the necessity of bringing new material into the organized ranks of the profession are Baltimore, Cleveland, Kansas City, Minnesota and Philadelphia, all of which have appointed committees on new membership or otherwise arranged the matter.

We especially commend their action to the other chapters for emulation and believe that the institute would do well to create a committee on increase of chapter membership, similar to the one which we understand has been appointed to increase the institute's membership. Such a committee of the institute could co-operate with sub-committees in all chapters having such committees and could assist those not having them in working energetically and diplomatically along those lines.

Meanwhile it occurs to us that every member of a chapter should consider himself a self-constituted committee of one to bring into his chapter at least one new member.

We are pleased to observe from the reports that the president and secretary of the institute and different members of the Board of Directors have been entertained by the Indiana, Iowa, Illinois, Brooklyn and other chapters. On these occasions such officers of the institute have delivered addresses and have drawn closer the ties of relationship which bind the parent body to its large family of chapters. We wish that this practice could be continued and extended and hereby invite the chapters so to do. We have been attracted by the notice of a joint address before the Brooklyn Chapter on the "Harmony of Chapters," by Messrs. Cook and La Farge.

Where the activities of a chapter have been greatest it appears that the Executive Committee or Governing Board of the chapter have had the most frequent meetings and we advocate the adoption of this procedure by all the officers of chapters, so that, as in the case of the New York, the Brooklyn and Philadelphia Chapters, this frequent interchange of ideas may redound to the advantage of the chapter and at the same time be the means, by this personal contact, of rounding off the edges of possible misunderstandings. We are of the opinion that the frequency of meetings of Chapter Governing Boards creates the activities of the chapter rather than that they are only made necessary as a result thereof.

We find reference in reports to the fact that

some of the chapters have officially adopted, as chapter documents, the Code of Ethics and the Code of Competitions. While still other chapters have done so without especially reporting it, we respectfully suggest that the secretary of the institute communicate with all chapters which have not adopted these documents and urge upon them the desirability of doing so with as little delay as possible. In this, as in many other matters of importance, the chapters should not refrain from upholding the authority of the central body nor tie its hands by inaction.

We especially commend the action of the Central New York Chapter and the Philadelphia Chapter in distributing copies of the Competition Code and institute documents to all members of the profession in their vicinity whether members of the chapters or not, as well as to other parties likely to be interested. The Michigan Chapter sent these to all chapter members.

We trust that the Kansas City Chapter will be successful in having the Governor of Missouri and the Capitol Commission conduct the competition for the new Capitol Building in accordance with the Institute Code and we congratulate the Louisiana Chapter upon their success in connection with the conduct of the competition for the Newcomb College Buildings.

It is through just such guidance and assistance that the code will come to be more and more valued, as it is now rapidly becoming, for its fairness to both architect and owner.

We urge upon the various chapter committees on competitions the necessity of vigilance in matters pertaining to contemplated competitions, so that the chapters may be enabled to control the local situations, as was done by the chapters before mentioned—and by the Louisville Chapter in preventing a competition for a large building in its territory.

The matter of registration, or licensing of architects, has received the attention of the Washington, D. C., Chapter, and of the Indiana Chapter. The latter tried, though unsuccessfully, to secure the passage of a bill through the State Legislature. And the New York Chapter, through committees, has been actively engaged upon the question. This chapter states that it found that such a law if passed would be favorably received by architects, and the chapter holds, as we believe all other chapters should when this matter presents itself to them, that any legal regulation of the profession should lead to a high educational standard.

In addition to the work we have already mentioned, which concerns chiefly the relations of chapters to the institute's propaganda and the ethics of the profession, some of the chapters appear to have been alive to their responsibilities in the matter of providing educational facilities for the younger men and in encouraging their attendance at chapter meetings.

We are of the opinion that too much importance cannot be attached to this subject and earnestly suggest that other chapters fol-

low the way blazed by Boston, Louisville, Philadelphia, Kansas City and Jersey City in bringing the younger practitioners into the chapters and in keeping the draughtsmen and students in active touch with the work of the chapter.

By being brought into contact with capable men of affairs and given, at the very inception of their careers, an insight into the aims and aspirations of the real workers in the profession, these young men receive their impetus from the right direction and their future attitude toward the institute and the profession is insured to be correct. Indeed, we believe that the chapters in arranging their programs for addresses should see to it that one or more are given along the lines of professional ethics, especially for the benefit of the youngest of the men within the influence and environment of each chapter.

The work of the chapters already reviewed by this committee, as varied in character and considerable in quantity as it has been, represents but a portion of the prodigious amount of labor which it is evident has been expended by the members of the individual chapters in performing service of inestimable value to themselves, to their profession and to the public at large during the past year.

Never before have so many opportunities presented themselves and never before has the profession responded so unselfishly to the call upon their energies and time in working out the solutions of the complex problems of our day.

We refer particularly to the demands which have been made upon those men in the chapters who are not only willing, but anxious to labor for the good of the cause by serving on committees for securing better and more adequate building laws; for preserving life and property by improving methods and forms of construction; for standardizing of materials; on committees on fire prevention work; on improving the conditions of living; on regulating tenement house construction and on improving the conditions of living; on regulating tenement house construction and on improving the laws relating to all these and kindred matters, in which more or less altruistic work the chapters appear to be led by New York, Baltimore, Boston, Michigan, Pittsburgh, Southern California and Illinois.

With such a program under way it seems but natural that the chapters should be found working in that other large field which concerns the accumulated habitations of men,—the city—and the community at large. Here again we find the chapters as bodies being consulted and conferred with by municipal, state and national authorities. The opinions and recommendations of the chapters are, we find, being respected and followed to a much greater extent than ever before, which is justly a tribute to them and to the institute and yet is one which forces upon us a responsibility which we cannot and should not wish to avoid. From the reports this obligation to our civilization has been well fulfilled, and has been recognized by the municipal authori-

(Continued on page 26.)



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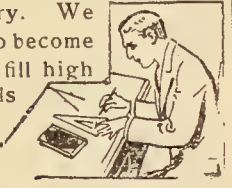
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## A SUPERBLY APPOINTED BUILDING

The new home of the Atlantic City Gas Company, the most modern, beautiful and best equipped structure of the kind in the United States.

The new office building of the Atlantic City Gas Company, Atlantic and Michigan avenues, Atlantic City, N. J., is claimed to be

the most complete ultra modern and handsomely fitted building of the kind in the United States. The building is concrete and

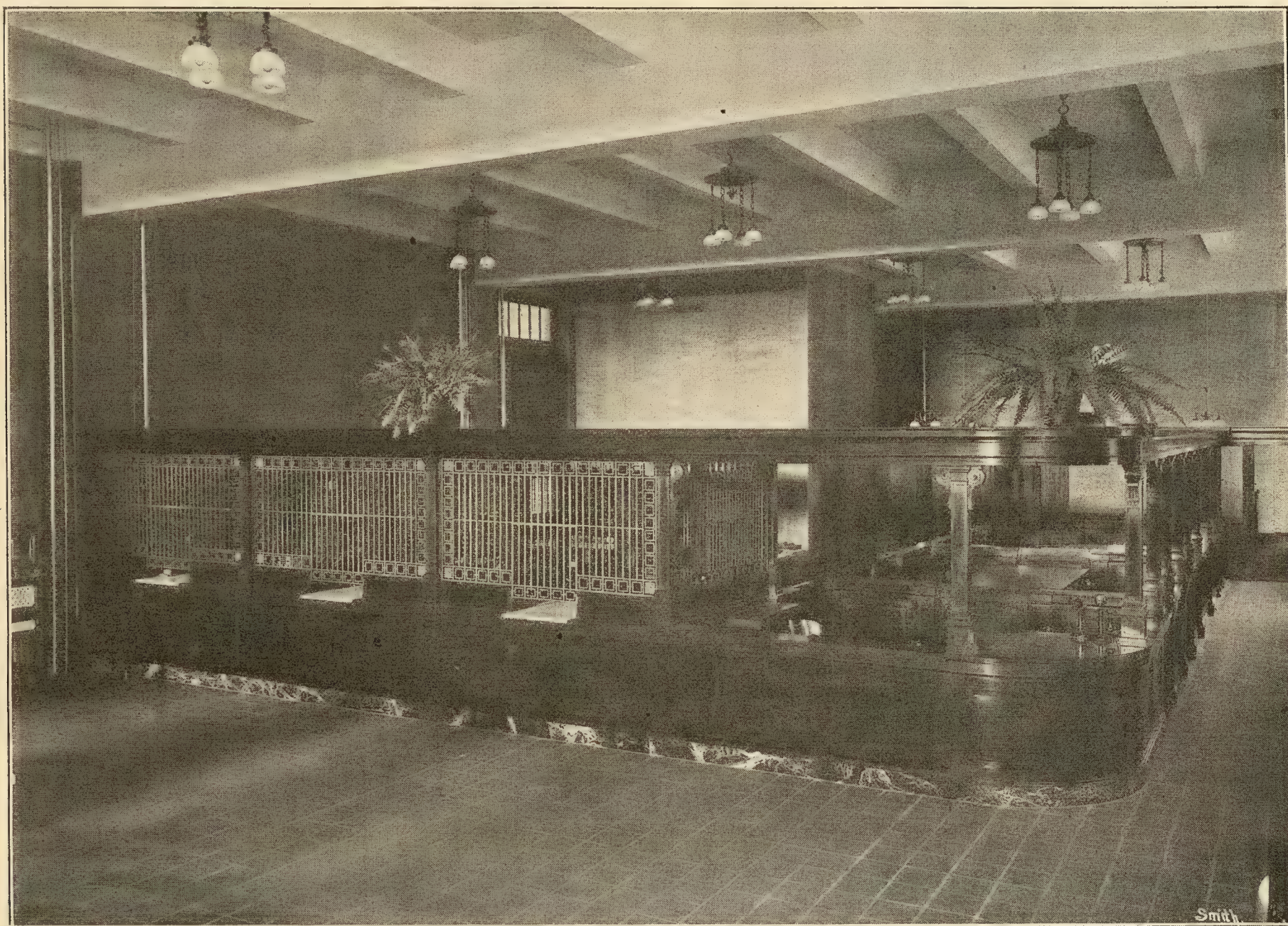


OFFICE BUILDING AND SHOW ROOMS, ATLANTIC CITY GAS COMPANY

Architects, Stout & Riebenack, Atlantic City

Interior Decorations and Furnishings, Duncan & Duncan, Inc., Phila.





VIEW OF OFFICES, ATLANTIC CITY GAS COMPANY

steel construction, the exterior a tasteful combination of gray stone with brick of the same neutral tone. The spacious show windows are framed in copper and steel finished in antique verde and the cornice of metal finished to match the stone copings. The street illumination is supplied by five ornamental standards mounted with four gas arc lamps of high candle power.

The windows to the street side of the first and second floors are treated with a linen jasper in two shades of gray trimmed and set off with applique bands of a Sundown in the verde color with Bonnaz stitching the head of each window beneath the transom carrying a shaped valance of the same material trimmed in wide braids.

The show room on the first floor is a marvel of taste, beauty and adaptability. Floored with a large square English red quarry tile laid in broad cement seams; walled in wonderful gold and brown Japanese burlap, the ceiling finished in a chamois tint of distemper color, this room is one of the most effective examples of skill in planning and decoration imaginable.

Shower fixtures, hanging between the beams and girders shed a soft, mellowed light that renders the effect almost fairy-like in its compelling attractiveness. In this room is located the very fine and varied exhibit of

gas and gas heating appliances so arranged as to make their inspection and examination a pleasure rather than a task to the visitor. An attractive and unique feature of this floor is a fully equipped hotel kitchen for the display and practical demonstration of gas cookers, heaters and gas cooking utensils.

To the rear of this beautiful show room is situated the main office separated from the larger room by partitions of marble wash-base and mahogany. The cashier's department is enrailed with a superb railing in solid bronze. In the entrance rear are located the splendidly fitted private offices of the President and General Manager. Access to the second floor from the show room is had independent of the elevator service, by a hanging stairway in steel, the treads and risers being white marble. Facing the interior the window hangings are of a special golden velvet, with a heavy braid and tassel fringe of gold and bronze edging, surmounted by valances with braid and tassel edgings and embroidered motif.

On the second floor are two spacious rooms, the front room the salesroom of the gas fixtures department of the business and the back room a well ordered stock and order room. The ceiling of the salesroom is of metal finish in old ivory enamel, the walls being finished with imported brown and old

Japanese burlap, the good trim of mahogany and the floor of hardwood highly polished. The heavy golden velvet window hangings in this room are so made that they traverse, at will, clear across, darkening the room to any point desired, properly to demonstrate the effect of fixtures under illumination.

Globes of a wide variety of artistic design are displayed down the centre of this room on massive mahogany tables.

The credit for the conception of this beautiful building belongs to the President of the company, Mr. C. H. Geist, who personally planned and supervised its most attractive details. Mr. Geist, who is a practical gas man with years of experience in this field, was able to indicate and have incorporated in the new home of the company a number of features as original and beautiful as they are admirable and conclusive. Indeed, it is due largely to the excellent taste of President Geist that the superb harmony of the interior decorative treatment is due, the result being one of the finest buildings of its kind to be met anywhere.

Elbert Hubbard says: "Advertising is the education of the public as to who you are, where you are, and what you have to offer. Not to advertise is to be nominated for membership in the Down-and-Out Club."





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**Report of Committee to Consider Reports of  
Chapters, Convention of American  
Institute of Architects.**

(Continued from page 23.)

ties who have co-operated with the chapters in Boston, Cleveland, Brooklyn, Detroit, New York, Kansas City, Louisville, San Francisco, Philadelphia and the Washington State Chapter.

In the affairs of state the chapters which appear to have been especially active are Boston, Cincinnati, Kansas City and New York.

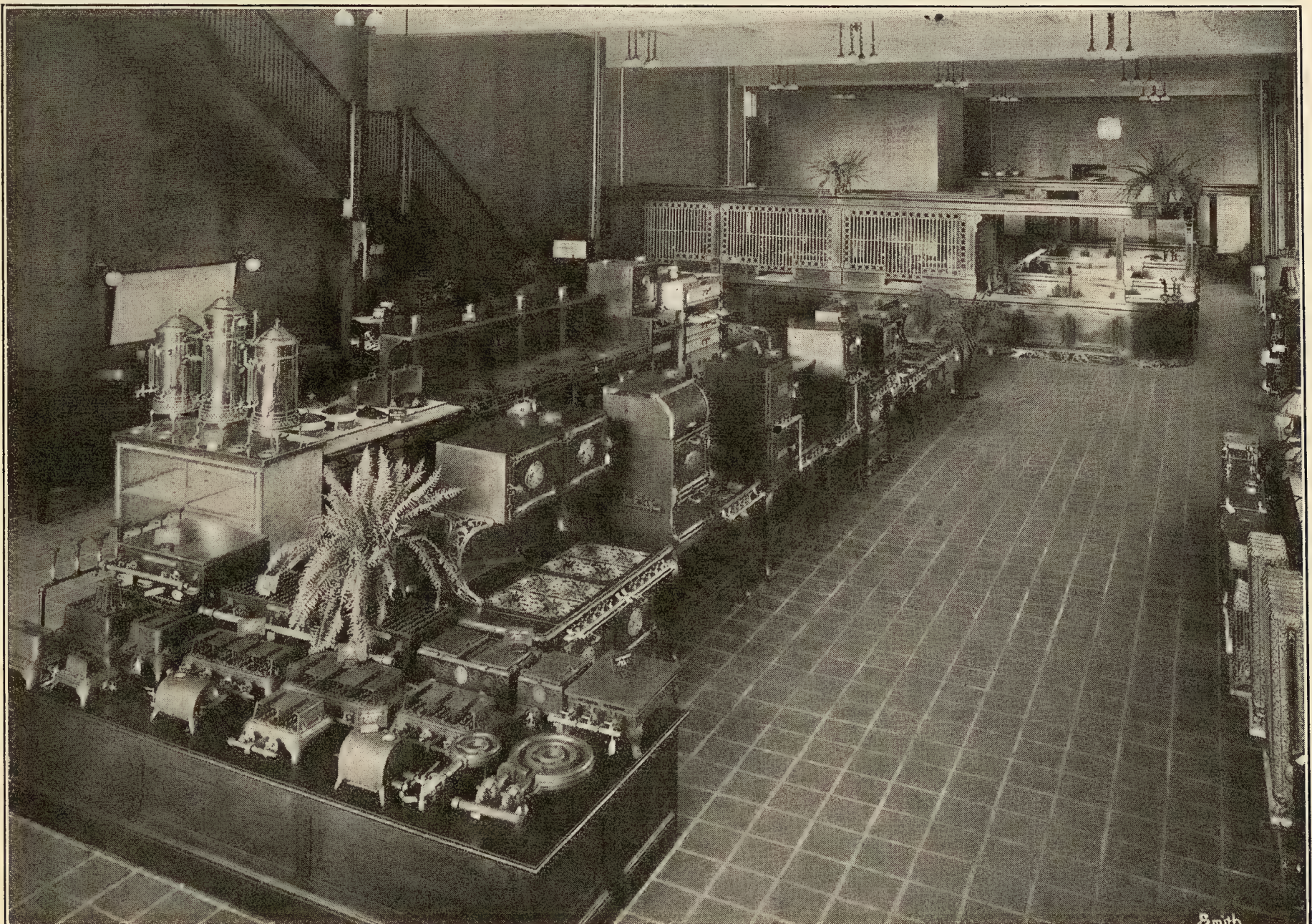
In the case of Pennsylvania, we learn that the three chapters compose a State Association of the institute to which is entrusted action on all matters pertaining to the State at large, thus insuring a concerted, harmonious action on all such matters. We are tempted to suggest to the New York, Brooklyn, Buffalo and Central New York Chapters the desirability of considering the definite formation of a similar association for the State of New York to which association could be added such new chapters in the State as may in the future be formed.

In matters concerning the nation we find, as is quite to be expected, that the Washington Chapter leads and to its foresight and

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wisdom in strongly endorsing the project for the Lincoln Memorial and its proper site the other chapters are indebted for an example which they should not be slow to follow.

Other matters of importance to the country at large which have been brought about by individual chapters are the preservation as an open space of the property in front of the New York City Hall, and the restoration of old Congress Hall in Philadelphia, for the services of which the city authorities have signed a contract with the local chapter.

It is thus evident that some of the chapters, including the Southern Pennsylvania, which has a most energetic Committee on Preservation of Historic Monuments, are heeding the admonition of the forty-third annual convention and are zealously guarding the architectural and historical treasures within their confines. As the loss of many of such buildings would prove not a misfortune, but a calamity to the country at large, the subject of their preservation should, it seems to us, be taken up by an Institute Committee for the Preservation of Historic Structures—such a committee to have sub-committees in each of the chapters where any of these building exist.

The aid of the institute should be given to this worthy cause so that its influence might be exerted from the outside, as it were, in

awakening some communities to a realization of their own carelessness in allowing vandalism, desecration and encroachment to mar their own monuments. We suggest, furthermore, that arrangements might be made whereby students in the colleges, universities and offices could work in co-operation with the local chapters in making careful measured drawings of all artistic old buildings. In this connection the institute committee could affiliate with and receive advice from the National Trust which does such valuable work for England.

While speaking of chapter committees, we are reminded that it would seem advisable for all chapters, wherever possible, to use the same nomenclature for their respective committees which are working along the same lines and we suggest that the secretaries of all chapters and the secretary of the institute open correspondence toward this end. This should be desirable as well for the institute as for the chapters, because it would make it possible for a system to be adopted whereby nearly all chapter committees could become sub-committees of institute committees, thus perfecting a system of reporting direct to a central source.

Four of the chapters have held successful architectural exhibitions Cleveland, New Jersey, Philadelphia (in conjunction with the T-Square Club) and Indiana, which exhibited

in two different parts of the State. Last, but by no means least, we are happy to chronicle the activities of certain of the chapters which have been giving attention to the intimate matters concerning the practical or business side of the profession of architecture, matters that have been too long slighted because everybody has been too busy to think much about them. Some chapters have been engaged upon contract between owner and architect, standardization of workmanship and materials, improvements in lien laws and similar subjects. And the institute, as we all know, has greatly helped the chapters and each individual practitioner, by the adoption of uniform documents concerning contracts, general conditions of specifications, etc.

Many of the papers read by eminent authorities before chapters have dealt with these practical subjects, particularly so at the Rhode Island, St. Louis, Illinois, Boston, New York and Philadelphia Chapters. We hope to see more chapters follow their lead and suggest that some authoritative information might be disbursed at chapter meetings on matters of finance, transfers, deeds and mortgage laws, and other similar subjects affecting the client and architect in their relations to one another.

Through all the bustle of chapter life, we see in a few of the reports items which bring

(Continued on page 30.)



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## THE WRITING AMATEUR AND "HOME" ARCHITECTURE.

One does not need to be an architect to fancy with what amusement, not unmixed with a certain irritant quality, the practitioner of assured position must read—if, indeed, he takes the trouble to read at all!—the nonsensical, ill-informed and hopelessly absurd rubbish put out by the "furnisher" magazines as "architectural" copy. The bulk of this stuff, for some occult reason, is written by women who having gained a small success in the field of interior decorating seem to argue therefrom a competence to pass upon every phase of home-planning from exterior embellishment to garden layout. A pet theme with this particular class of writers is the "remodelling" of old suburban places along "modern" and "approved" lines. Fortunately no one in a position to undertake any work of the kind pays the slightest heed to these scribbling female babblers, the accepted course in cases of the kind being to entrust the making over process to an architect of repute and refrain from so much as the appearance of interference. The question as a whole harks back to an opinion expressed in these columns some weeks ago which was, in effect, that architecture is entirely too much written about by persons obviously not competent to discuss it. Much remains to be said upon various phases of the art by men of trained intelligence and experience that will be of real and lasting value. Unfortunately the men best qualified to say these things are too busy making architecture to write about it to any considerable extent. The result is a deluge of half-baked semi-architectural opinions from the pens of amateurs whose writing gift is out of all proportion to the capacity given them to think, together with a growing colony of "picture" magazines which, however admirable pictorially, are textually futile and fatuous.

## GATHERING OF THE BRICK INTERESTS AT CHICAGO.

Manufacturers representing the billion dollar clay working industry are to assemble in Chicago next March, according to an announcement made following the sending out of invitations to the Mayors of all cities in the United States to attend a Municipal Congress there at the same time.

The Mayors are invited to take with them their municipal engineers and building commissioners and are promised that practical exhibits will be prepared for their instruction toward the achievement of the "Practical City Beautiful."

One of the most important conventions to be held on this occasion will be that of the National Brick Manufacturers' Association. This organization includes the manufacturers of common building brick, facing brick, ornamental brick of all kinds, paving brick, fire brick and refractories, gas retorts, crucibles, glass furnaces and furnace linings, hollow

block, sewer pipe, conduit for underground wiring, farm drain tile, silo blocks, fireproof hollow tile for skyscrapers, building terra cotta, architectural terra cotta, faience for interior work, floor and wall tile, mosaics, pottery, sanitary ware, semi-porcelain, china-ware, art pottery, kitchen ware, clay pipes, clay pigeons, marbles and electrical insulators.

This one association alone represents invested capital of a billion dollars and the annual products of the manufactories of its members are valued at more than three million dollars.

The American Ceramic Society the technical organization of the clay industry, will also meet in annual convention at Chicago. This society ranks with the British Clayworkers' Institute and is made up of scientists and college professors.

The National Paving Brick Manufacturers' Association is another organization scheduled to meet in Chicago while the Clay Products and Permanent Home Exposition is being held at the Coliseum March 7 to 12. This association represents twenty-five million dollars capital and concerns itself with the manufacture of block for the surfacing of city streets and country highways.

The Building Brick Association of America, another name in the list of conventions, is an organization comprised of advertising men connected with the brick industry. Members of this association spend \$50,000 annually in advertising.

Other organizations to meet are the Association of Manufacturers of Clayworking Machinery, representing twenty million dollars invested capital; the Western Drain Tile Bureau, with a membership of 2,000 manufacturers; the Illinois Clay Manufacturers' Association and the Wisconsin Clay Manufacturers' Association.

## SPECIAL COMMITTEE ON PUBLIC INFORMATION, A. I. A.

Among the many notable things accomplished on the occasion of the recent Forty-fifth Annual Convention of the American Institute of Architects none is destined to play a more important role in the development of an intelligent understanding of architecture upon the part of the lay press and the masses of the people than the adoption of the resolution calling for the appointment of a special Committee on Public Information. This resolution, adopted during the second day's proceedings, reads as follows:

"Resolved, That the Board of Directors be requested to appoint a Special Committee on Public Information, the duties of which shall include the following:

"To keep a record of such published matter as may be of interest to the profession and to send to such publications likely to be interested, information concerning the work of the Institute and of the profession.

"To request monthly reports on matters of interest to the profession from committees on public information of the several Chap-



ters, which Chapter Committees shall be sub-committees for their respective territories of the Institute Committee.

"To inform the press of the country in regard to annual conventions of the Institute and the work which the Institute is undertaking and has actually performed. To correct through the press, popular misconceptions with regard to the practice of architecture and to rectify erroneous printed statements affecting the profession.

"To keep constantly before the public the aims, aspirations and accomplishments of the profession through its organized body, the Institute."

To a Philadelphian belongs the credit for bringing the suggestion of such a committee prominently to the attention of the Institute. Mr. D. Knickerbacker Boyd, of this city, organized the first committee of the kind as a feature of the activities of Philadelphia Chapter, a committee which he has served with conspicuous success in the capacity of chairman. It was Mr. Boyd's advocacy of the excellent results accruing from the work of this committee that decided the convention to make a similar body a feature of the work of the national organization. It is to be hoped that in selecting members to serve upon a committee of the kind the Board of Directors of the Institute will choose men fitted in the attributes of energy, judgment, tact and capacity to carry to a successful issue the duties to be allotted them. In the hands of a committee of the right stamp this Philadelphia idea is likely to be productive of the most beneficial results to American architecture in general as well as to the Institute in particular. It cannot fail, under proper auspices, to bring about a vastly improved popular understanding of the professional architectural point of view.

### "BETTER BUILDING" AND PAPER-BOX OPERATIVE CONSTRUCTION.

In the movement that is making itself felt in the trade for the promotion of "better building" it is singular that nothing is said regarding amendment of existing municipal regulations governing operative work. "The Guide" feels entirely safe in asserting that probably 40 per cent. of operative building is cheap, shoddy and unstable—the material employed being of the poorest obtainable quality and the workmanship a travesty on honest construction. The fact that here and there among operative builders men are to be found with a decent conception of the obligations they owe to the craft and to the public simply intensifies the need for regulations which shall effectually debar the element who "build to sell." Conceding in all fairness the demand which exists in this channel of constructive activity for dwellings within the reach of people of ordinary means, there would seem to be no good reason why both work and material should be "scamped"

to the limit now in vogue among the "shoe-string" class of operators.

We have in mind as we write an operation not many miles removed from City Hall which is a disgrace to modern building—mud-plastered foundations, scamped walls, gingerbread trim, plastering in which the mortar is an algebraic quantity and roofing, cornice and bay window work that will have to be replaced before the third installment is due on the first mortgage. Under existing regulations we are assured no authority exists for interfering with work of this character. The remedy, if this be true, is obvious. Make new and more stringent regulations. At a time when the interest in better building is widespread and the demand for fireproof or at least fire-retarding construction is rapidly becoming general there is an element of the farcical about permitting the irresponsible operator to go blithely ahead throwing up whole rows of buildings which are in effect object lessons in everything that a properly constructed house ought not to be. The various municipal bureaus throughout the country which have to do with the regulation of this class of construction will find public sentiment ready to endorse a much more strict and drastic supervision than they have thus far seen fit to impose. "Better building" is as essential, in a modified sense, in the home selling at a modest price to the man in ordinary circumstances as in the home of better grade. The supervision should not, as a matter of course, be as severe in the one case as in the other, but it should and must be sufficient to put an end to much of the paper-box operative construction now going on here and elsewhere.

### THE AUTO-TRUCK IN THE BUILDING TRADES.

When it is taken into consideration that hundreds of horses keel over in the heat every summer and as many more are unable to keep their feet during the winter, one may be pardoned for expressing some surprise at the apparent reluctance of men in the building trades to adopt the auto-truck as the one, ideal solution of their haulage difficulties. In the experimental stages of this type of vehicle this reluctance was to a great extent justified, an element of uncertainty being one of the delightfully certain features of auto motoring generally. This experimental stage having been passed, there is today not the faintest shadow of reason why the use of the auto-truck should not be practically universal. The first cost of delivery wagons of this type is not so great as to be prohibitory; the maintenance cost comparatively small, the operative cost almost trifling and the service indisputable.

The auto-truck works in every season and in any kind of weather. It works on icy roadways, through periods of blizzard and spells of blistering heat, is always ready for service, equal to any task and prepared for any emergency. It requires no veterinary at-

tention, no special dieting, nursing or looking after. It earns its cost in "no time" and pays dividends long after it has paid for itself five times over. Try an auto-truck, Mr. Material Man. Just try one. Once you get the habit you won't have a horse about the place.

### THE FIRE WASTE FOR 35 YEARS.

#### An Instructive Object Lesson.

Here is a record of the fire losses in the United States, year by year, for the past 35 years, according to the records of the National Board of Fire Underwriters:

Year.	Aggre- gate prop- erty loss.	Year.	Aggre- gate prop- erty loss.
1875...	\$78,102,285	1893...	\$167,544,370
1876...	64,630,600	1894...	140,006,484
1877...	68,265,800	1895...	142,110,223
1878...	64,315,900	1896...	118,737,420
1879...	77,703,700	1897...	116,354,575
1880...	74,643,400	1898...	130,593,905
1881...	81,280,900	1899...	153,597,830
1881...	84,505,024	1900...	160,929,805
1883...	100,149,228	1901...	165,817,810
1884...	110,008,611	1902...	161,078,040
1885...	102,818,796	1903...	145,302,155
1886...	104,924,750	1904...	299,198,050
1887...	120,283,055	1905...	165,221,650
1888...	110,885,665	1906...	518,611,800
1889...	123,046,833	1907...	215,084,709
1890...	108,993,792	1908...	217,885,850
1891...	143,764,967	1909...	188,705,150
1892...	151,516,098	1910...	214,003,300

### "REFUSE NOTICE."

Every editor has received a "refuse notice." The Postmaster sends them to the editor. For instance, there is a man by the name of, we'll say, John Jones, who refused to take his paper out of the office. He did not want it any longer. We wondered what was the matter. Upon investigation of our subscription book, we found John was short \$5.70. He had stopped his paper as a matter of economy to us. A few evenings ago we stepped into a church and John's melodious voice rang out loud and strong in soul-stirring song, "Jesus Paid It All." We might have been mistaken, but his earnestness impressed us. The next day we sent him a receipt in full, begging his pardon for not knowing he had made an assignment of his liabilities to the Lord.—"Lewis County (Mo.) Journal."

Do you think it is "good business" to have prospective buyers look for your business card in our pages and fail to find it there? When you get ready to change THAT order of business drop us a line. We'll have a representative call to see you.

The man that doesn't advertise nowadays is a barnacle. And he ends up like a barnacle by being scraped off.



## Looking for Houses

If you are not renewing the lease of your residence for the year 1912, or if you are thinking of purchasing a home, do not take the trouble to look at any house offered to you unless it is wired and equipped for the use of Electricity. It will be but a very short time now before there will no longer be a builder in the city who will offer to sell or rent unwired houses to the public.

For rates and estimates consult



Report of Committee to Consider Reports of Chapters, Convention of American Institute of Architects.

(Continued from page 27.)

your committee to its feet with gratification. We are proud in the realization that the chapters have not overlooked the amenities of life nor lost opportunities to perform distinctly humanitarian duties. We refer to several testimonial occasions, but more especially to the fact that the Brooklyn Chapter, through a competent committee, completed certain professional work from which Mr. Washington Hull had been separated by the hand of death and turned over to his widow a sum of more than \$1,000 which she might not otherwise have received.

We conclude by assuring you of the pleasure we have had in perusing the reports of the chapters which are the integral part of such a body as the American Institute and we consider it a privilege to have been afforded the opportunity.

We hope that hereafter some of those chapters which have now submitted but meagre reports of a season's activity, will make fuller reports in order that future committees may be better able than we have been to review each chapter's work.

As to any recommendations which our report contains, we respectfully suggest that they be referred to the Committee on Chapter Relations with power to confer with officers of the institute and of the chapters in order that they may be carried out under direction of the Board, or with its approval.

Committee to consider reports of chapters: ALEXANDER MACINTOSH, ARTHUR H. SCOTT, D. KNICKERBOCKER BOYD, Chairman, ARMAND D. KOCH, not present.

## New Ideas, Materials and Devices

Innovations in Material and Equipment That Merit the Interest of Architect and Building Owner—A Running Resume of Novelties More or Less Recent.

### Sherwin-Williams Paints, etc.:

Every painter knows that the use of good paint is economy; that it covers more, looks better and wears longer than cheap mixtures or hard mixed lead and oil. Among the "good" paints Sherwin-Williams, sold under the name "S. W. P.," occupies a place deservedly high. It is an interior paint made to stand up under hard weather conditions, a paint that, the manufacturers claim, will hold its color to the end and preserve the wood upon which it is used. The people who make "S. W. P." have been making paint for forty years and point to this product as the ne plus ultra of the art of paint making. The company issues a portfolio of exterior painting that shows a number of attractive color schemes. This portfolio may be had on request. Address the Sherwin-Williams Company, Canal Road, Cleveland, Ohio.

### "Standard" Plumbing Fixtures:

"Standard" plumbing fixtures embrace a complete line of high grade, modern, up-to-the-minute ideas in sanitary equipment for

the bathroom, the kitchen, the hospital and office. These fixtures not only embody "the last word" in improvement and novelty, but are beautiful and distinctive beyond imagining. The manufacturers advise us that "Standard" goods are not more expensive than other makes vastly inferior. It will be well, under these conditions, for the owner to specify "Standard." Standard fixtures are manufactured by the Standard Sanitary Manufacturing Company, Pittsburgh, Pa., local office, 1128 Walnut street, Philadelphia.

### The Colonial Fireplace:

The Colonial Fireplace Company has a free booklet, to send to persons interested, with the title, "Home and the Fireplace." This booklet tells the interesting story of the Colonial fireplace, a fireplace that can be constructed anywhere, works without any of the drawbacks common to this class of construction, offers a wide variety of attractive designs and can be arranged to burn any kind of fuel. Address Colonial Fireplace Company, Chicago, Ill.

## Recent Trade Literature

"McIlvain's Lumber News," frankly an organ of that famous old Philadelphia lumber house, has much of general interest, in addition to the usual stock lists which it carries, in the December issue. The leader is a brief account of a hunting trip into the forests of Canada by J. G. McIlvain, Jr., which is so excellent that the reader is apt to wish for more. It has the call of the wild in it equal to Jack London's tales. The issue is No. 12 of Vol. VI which only goes to show that the volume not only is but has been go-

ing some. Volume VII begins with this month's issue.

\* \* \*

The November number of "The Indicator," published in the interest of the Otis Elevator Company, maintains the level of interest set in earlier numbers of this very readable house organ. An article on the value of time properly conserved, some very good illustrations and an imposing list of new buildings, building or under contract, in which the Otis apparatus is to be installed go to make up a most interesting number.

### CORRECTING LEAKY CELLARS.

One of the interesting Count Rumford's claims to fame was that he went through England and Scotland correcting smoky chimneys. Any philanthropic gentleman who would go through this country correcting leaky cellars would deserve as much fame and also the Papal title. In each case the correction amounted to partial rebuilding, but whereas Count Rumford had to work out the better chimney construction for himself, cellar construction has already been perfected and our philanthropist has only to apply it. But no one seems to avail himself of the remedy till he has wasted considerable time, money and patience on half-measures. Better face the

whole trouble at once and have it done with. If cellars are persistently damp it is because the soil outside is wet. Make an excavation around the house, two feet larger than it each way. At the bottom of this trench place a V-shaped tile drain and connect it with a horizontal drain carried off to some distance. Before filling the trench apply asphalt boiling hot to the outside cellar wall, it being considered the most durable of all coatings. This hard, fill in first with large cobbles, next coarse gravel, and lastly sand. Most people try either one of these devices alone, but find in the end that it takes both to overcome the infiltrations of a naturally wet soil.—"House Beautiful."



## RETAINING WALLS.

A man who has a big place on a hilly part of the New Jersey coast gave out in despair that he did not believe the retaining wall had ever been built that did not break with frost, or bulge with heavy thunder storms. The architect to whom he uttered his plaint dryly observed that any retaining wall that was properly built would do its work, even in New Jersey, thereby exasperating the gentleman. "But mine is properly built," he declared, "built by a mason who has lived there all his life and has put up hundreds of walls. He knows his business well enough, but you simply can't keep back a sandy hill once it has made up its mind to slide down!" As the architect obstinately stuck to his initial observation, he was forced to visit the place and vindicate himself. As he suspected, the mason had missed the underlying principle of the matter. Every retaining wall, high or low, that ever he had built there bulged. Holding back a great bank of upward sloping earth he would have an eight foot high wall with a slight batter at its outer face that gave it six feet of thickness at the bottom. This being, to the village contractor, the utmost precaution that man could devise. And as he was a well-meaning soul willing to repair and even to rebuild at his own expense, no one looked into the question further. Yet the secret of doing the thing properly is absurdly simple—step your wall at the back.

If a wall is eighteen inches thick at the top and has, at two foot intervals, steps projecting backwards eight inches or a foot, according to the weight to be withstood, it will never cause trouble. It is practically bonded into the earth behind it which, resting on every step in turn, presses its mass on the wall instead of against it. Reinforced concrete, or stone, hard split or block, laid in cement mortar and carefully bonded to prevent the stones from sliding on their bed joints, will defy the worst storms on the coast if stepped as described above. In addition, the footings should, if built on soil affected by frost or surface water, be carried down far enough below ground to insure against heaving or settling; if the incline is steep, a cement gutter should be formed behind the coping and connected with a drain pipe to carry off the surface water, and the wall at the back and on the tops of the steps should be plastered with cement to a depth of at least three or four feet.—"House Beautiful."

## PAINTING THE HOUSE.

For those who wish to give their houses a fresh coat of paint, it may be interesting to know that most architects have generally discarded the so-called "Colonial" effect of yellow ochre with white trimmings, and that, for large houses, plain white lead for the exterior is more and more in favor. There was a time, says the "House Beautiful," when white for country houses was denounced as "glaring" and "vulgar;" but architects, who have no time to spare for sentimentalizing, and who remember the ivy, geranium and

purple clematis trailing over the whitewashed Italian walls, or the passion flowers and roses casting shadows on white French and English villas, know well that no other color adapts itself so well to stately and beautiful rural effects. For small cottages, especially where they are near the street, and need to be made as unobtrusive as possible, the olive greens once popular among architects have been revived, with great advantage. Builders whose attempts to produce soft effects with emerald green, or medium chrome, have not been crowned with success, do not sympathize with the architects in this matter; but a really good broken green is one of the most charming and lovable colors that can be put on the outside of a small house, well buried in shrubbery. It is hardly necessary to say that red cornices should be avoided.

## FIREPLACES.

"Now that custom calls for a liberal allowance of fireplaces in dwelling-houses, it may not be amiss, observes "The House Beautiful," "to offer some suggestions as to how to make fires. Apart from those fireplaces which are purely ornamental and never intended for use, there are many more which cannot be made to work satisfactorily without certain precautions. The most annoying of these unsatisfactory fireplaces are those which, with the object of making them look hospitable, or picturesque, or something else, are too wide. Three feet is the suitable width for a fire place in an American house, although they are often seen four, five or even six feet wide. For our ancestors, who had oxen drag into their halls the logs to feed the fire before which the stag was roasted whole, a six-foot fireplace was very well; but there is no more miserable sight than a circle of people sitting with streaming eyes, sneezing and coughing around a Brodignagian fireplace, in the middle of which burns, or, rather, smokes, a pile of little sticks, brought up by the housemaid in a basket. The fireplace must be suited to the wood to be used in it. To burn, or attempt to burn, sticks sixteen inches long, which is the usual dealer's measure, in a three-foot fireplace is to insure smoking, on account of the wide spaces left at each side of the fire, into which cold air rushes, gets behind the wood and blows the smoke out into the room, and gets up the chimney, and chills and checks what draught there is. With a four-foot fireplace the case is still worse, and the only remedy, if short wood is used, is to build up a little 'hob' of brick on each side, ten or twelve inches high, leaving only comfortable space between them to accommodate the wood. These, hobs which should project about a foot from the back of the fireplace, will prevent cold air from getting behind the burning wood, and often completely cure all difficulties; but, if the fireplace is too high, as well as to wide, it may be necessary to put on a brass plate, across the upper part of the opening, to reduce the height to the twenty-eight or thirty inches which is as much as most fireplaces will bear.

## COST OF FIREPROOF CONSTRUCTION.

Philip H. Bevier, C. E., addressing a society at Orange, N. J., on "Fire Proof Construction," says:

"At the present price of building material, fireproof construction can be erected at a cost not to exceed 10 or 15 per cent. more than non-fireproof, and when we consider that fireproof buildings deteriorate about one-ninth of 1 per cent. per year as compared to 4 per cent. for ordinary buildings, that they rent better and that money can be borrowed on them on better terms, that they are vermin-proof, cooler in summer and warmer in winter, it would certainly seem a part of wisdom and self-interest to adopt a better method in every case when the building is to be of a permanent character.

"When a man builds a house in the country, it may be that he has a right to jeopardize his own life and property and those of his family and gamble with the insurance companies, but there is no question that the owner of property in a city or town has no right to erect a structure which will be a menace to the safety of the adjacent property.

"If one-half of the money spent by American cities for fire losses was spent for better building construction, the annual loss by fire would soon begin to decrease. Improvement along the line of better construction can only come gradually. It can and should be hastened in thickly settled communities by stringent building laws. City officials must be awakened to their responsibilities and the individual shown that his own pecuniary interests lie in lessening the fire waste. Old buildings cannot be torn down at once and rebuilt, but we can see to it that no more fire traps shall be built where they are a menace to other structures."

Place an "ad" in the Guide. Let your friends in the trade know that you are one of the "live" ones.

When you want to find the address of the man who "doesn't believe in advertising," don't look up a directory. Just ask the sheriff.

### Self-Evident.

Some people quit advertising during the dull season. No wonder it's the dull season.—"Dealers' Building Material Record."

## REAL ESTATE TRANSFERS.

Summary for week ending January 6th, 1912:

Number of transfers.....	426
Amount of transfers.....	\$1,557,892.76
Cash consideration .....	570,727.00
Mortgage consideration .....	987,165.76
Ground rent consideration.....	2,028.00
Which on a six per cent basis amounts to .....	33,800.01



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## Architectural Iron and Metal Work.

John L. Gaumer Co.,  
22d and Wood sts., Phila.

## Brick (Face, Etc.)

Darlington Brick and Mining Co.,  
Crozer Bldg., Phila.  
United Brick and Clay Products Co.,  
Morris Bldg., Phila.  
O. W. Ketcham, Builders' Exchange, Phila.

## Brick Renovating.

Adolph Christensen,  
1433 Brown st., Phila.

## Bank and Office Fixtures.

Stephen F. Ketran,  
312 S. 24th st., Phila.

## Blue Prints

Blue Print Co.,  
1516 Chestnut Street, Phila.

## Brass and Bronze Work.

John L. Gaumer Co.,  
22d and Wood sts., Phila.

## Cabinet Work.

Stephen F. Ketran, 312 S. 24th st., Phila.

## Cement.

Edison Portland Cement Co.,  
Arcade Bldg., Phila.  
Lesley & Trinkle Co.,  
Penna. Bldg., Phila.  
Samuel H. French & Co.,  
4th and Callowhill sts., Phila.  
Chas. Warner Co.,  
Land Title Bldg., Phila.  
Knickerbocker Lime Co.,  
266 N. 24th St., Phila.

## Cement and Asphalt Paving.

Wm. Krause, 1621 N. 5th St., Phila.

## Cement Colors.

Samuel H. French & Co.,  
4th and Callowhill sts., Phila.

## Cold Water Painting.

William B. Southern,  
N. W. Cor. 12th and Spruce sts., Phila.

## Concrete Engineer.

Albertson F. Knipe,  
1737 Filbert st., Phila.

## Contract Bonds.

Banker's Surety Co.,  
North American Bldg., Phila.  
National Surety Co., Betz Bldg., Phila.  
Clarence G. Hoyt,  
421 Chestnut st., Phila.  
Thomas B. Smith Co., Betz Bldg., Phila.

## Elevators, Freight and Passenger.

Supplee Elevator Co., 3207 Spg. Garden St

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Philadelphia Electric Co.,  
10th and Chestnut Sts.

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Darlington Brick and Mining Co.,  
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4800 Parkside ave., Phila.

## Furnishers and Decorators.

Duncan & Duncan, Inc.,  
1724 Chestnut st., Phila.

## Furnaces and Ranges.

Bartlett & Co.,  
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40 N. 2nd st., Phila.

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## Heating Boilers.

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## Metal Furniture.

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## Marble Mosaic.

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M. I. Ryan, 1614 Cherry st., Phila.  
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## Mill Work.

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## Mortar Colors.

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Estey Hall, 17th and Walnut sts., Phila.

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## Real Estate and Mortgages.

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709 Walnut st., Phila.

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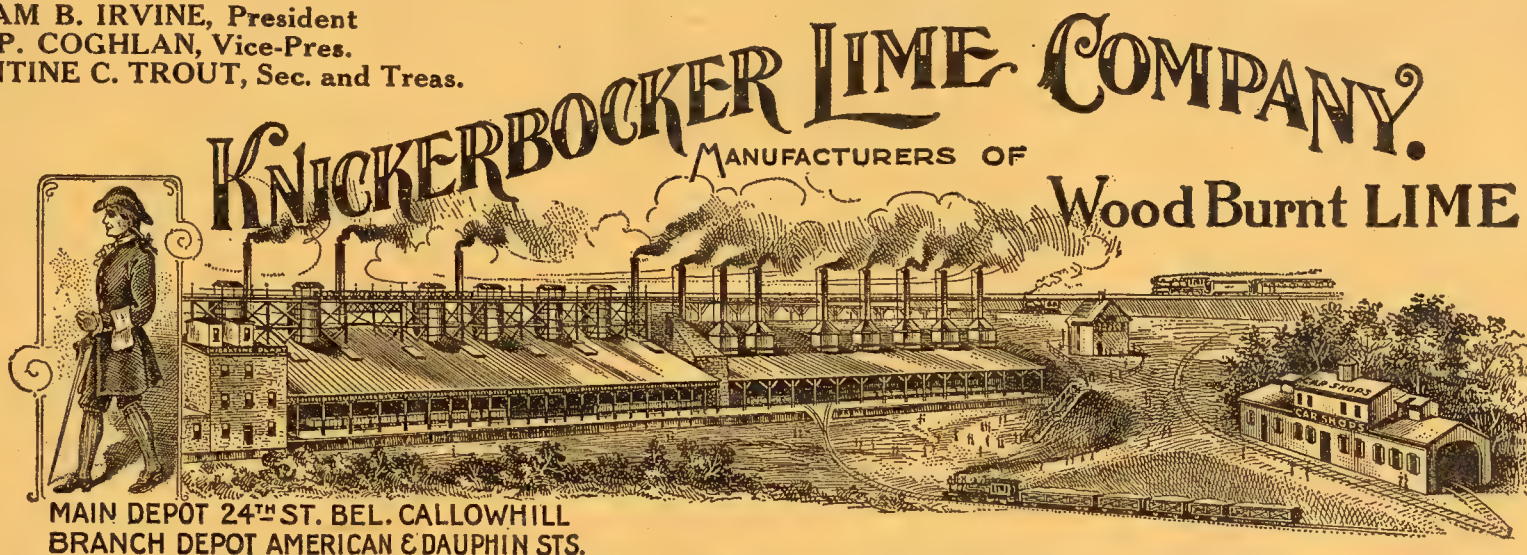
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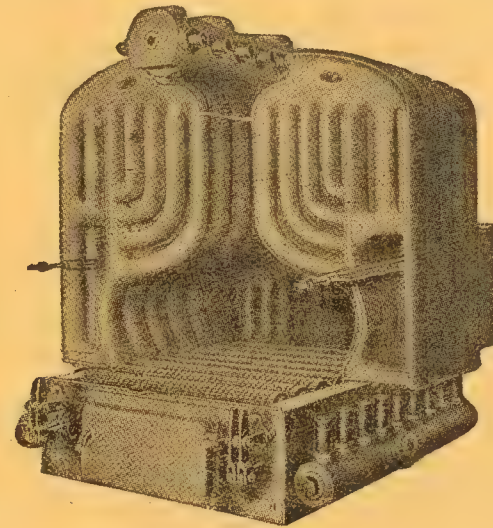
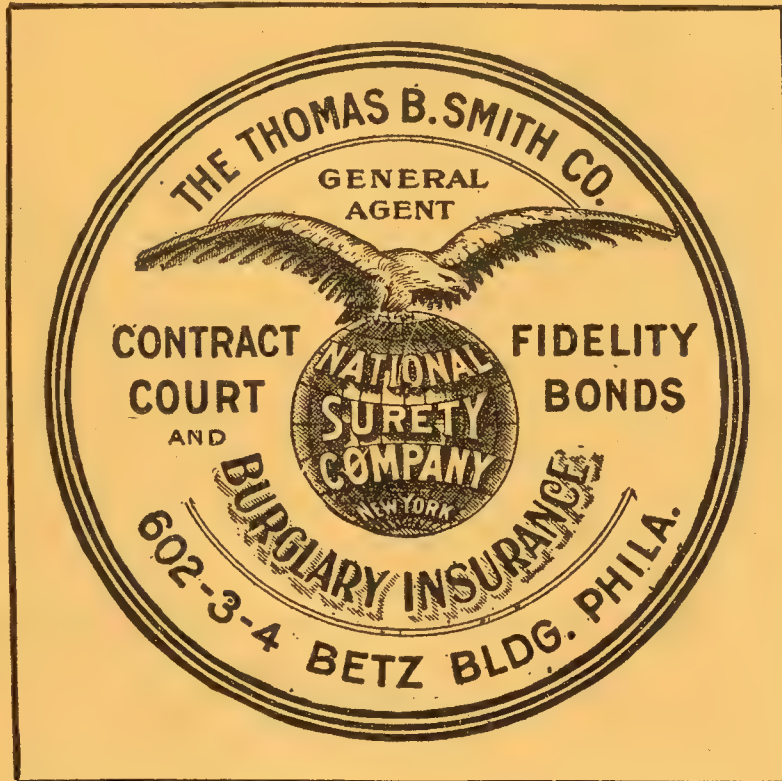
# THE PHILADELPHIA REAL ESTATE RECORD AND *Builders' Guide*

ENTERED AT THE PHILADELPHIA POST OFFICE AS SECOND-CLASS MATTER

DEVOTED TO ARCHITECTURAL AND BUILDING INTERESTS

Vol. XXVII., No. 3. PHILADELPHIA, WEDNESDAY, JANUARY 17, 1912.

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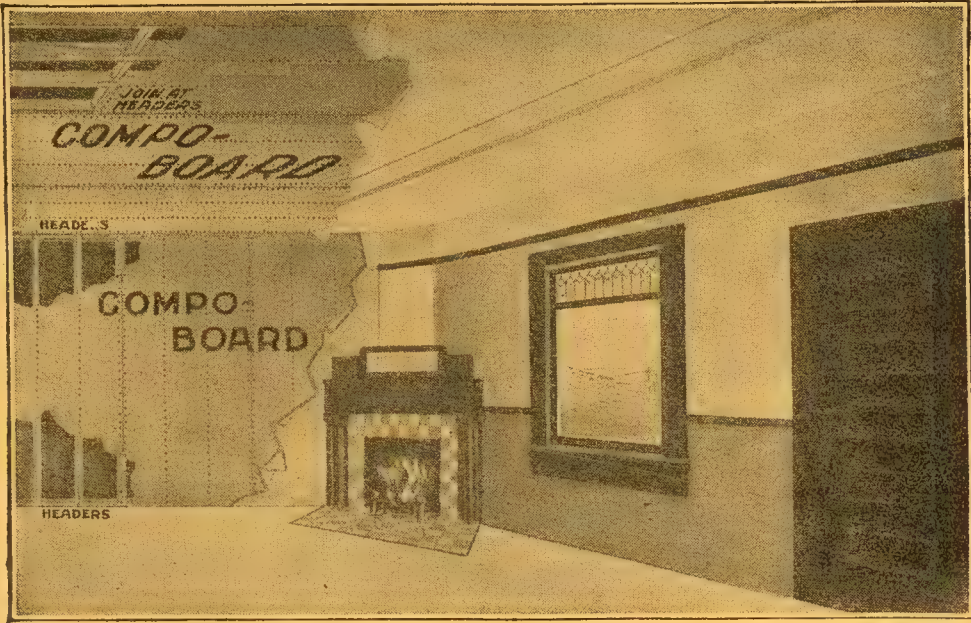
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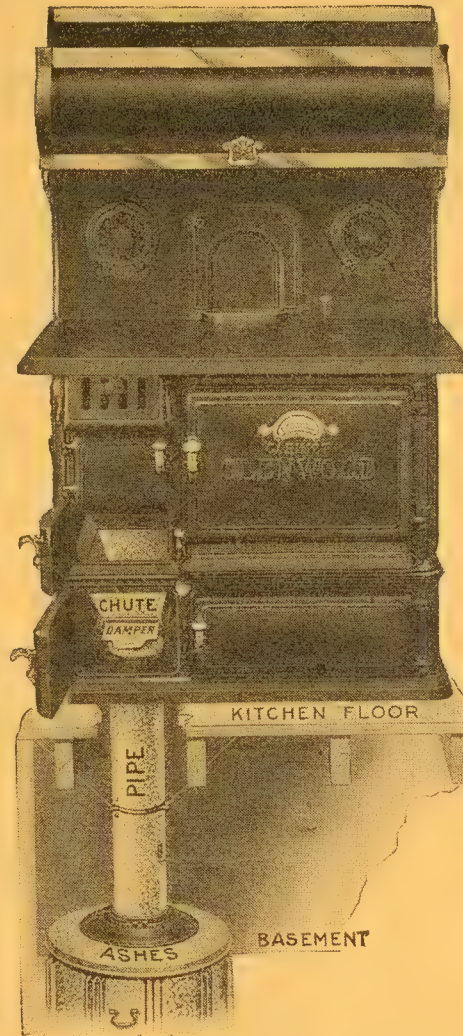
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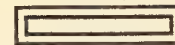
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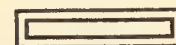


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PHILADELPHIA



# The Philadelphia Real Estate Record and BUILDERS' GUIDE

Containing Official Bulletin of the Master Builders' Exchange.

Vol. XXVII., No. 3.

PHILADELPHIA, WEDNESDAY, JANUARY 17, 1912.

Less than One Year  
15 Cents per Copy

## Construction News

**New Operations; Architects and Owners; Cost Limit; Last Days of Filing Bids; Firms Figuring; Character of Material and Equipment Required; a Budget of Opportunities for Builders, Supply and Specialty Houses.**

**Church**, Twenty-third and Lehigh avenue. Architect, Henry D. Dagit, 410 Walnut street. Owners, St. Columbia's R. C. Church, care of Walter P. Gough, rector, on premises. Stone, one story, 106x90 feet. Slate roof, electric lighting, steam heating. Plans in progress. Architect will be ready for bids February 1st.

**Store and Dwelling (alt. and add.)**, northeast corner Lawrence and Somerset streets. Architect, C. T. Biswanger, 411 Walnut street. Owners, Oriental Realty Company, care of architect. Brick, two stories addition, 14x20 feet. Slag roof, electric work. Architect has received bids.

**Convent (alt. and add.)**, Mt. Airy, Philadelphia. Architect, George I. Lovatt, 410 Walnut street. Owner, Holy Cross R. C. Church, care of Father Toomey. Stone and brick, 2½ stories, 25x70 feet. Slate roof, electric lighting, steam heating. Plans in progress.

**Storage Warehouse**, Fifty-third and Whitby streets. Architects, Ballinger & Perrot, 1211 Arch street. Owners, American Ice Company, Sixth and Arch streets. Buildings, three stories, slag roof, brick and concrete, fireproof. Architects taking bids, due January 18th. The following are figuring: J. K. McIvers, Baltimore, Md.; Mortison & Co., New York City; J. W. Emery, 1524 Sansom street; Herman Voight, 1251 North Twenty-eighth street; Cramp & Co., Denckla Building; William R. Dougherty, 1608 Sansom street; Appleton & Burrell, 1204 Chancellor street; Turner & Forman, 1314 Arch street; Irwin & Leighton, 126 North Twelfth street.

**Apartment House**, Fifteenth and Poplar streets. Architect, LeRoy Rothschild, 416 Walnut street. Owner, E. P. Chapell, 1640 Germantown avenue. Sayre & Fisher brick and terra cotta, three stories. Slag roof, electric lighting, steam heating. Architect has received bids.

**Houses (52)**, Fifty-second and Warrington avenue. Architect, E. Allen Wilson, 1208 Chestnut street. Owner, John M. Hendricks, 6007 Kingsessing avenue. Brick, three stories, 16x52 feet, colonial and English styles, hot water heat, electric lighting, hardwood floors, slate and tile roof. Plans completed.

**Residence**, Overbrook, Philadelphia. Architect, John I. Bright, Seventeenth and Chestnut streets. Owners, Wendell & Wright, Overbrook, Philadelphia. Brick and plaster, 2½

stories, 20x50 feet, electric lighting, steam heating, tile roof, hardwood floors. Plans completed. Architect ready for bids.

**Residence**, Moorestown, N. J. Architects, Price & McLanahan, Sixteenth and Walnut streets. Owner, F. Wallace Armstrong, Moorestown, N. J. Tile and stucco, 2½ stories, 25x70 feet. Slate roof, hot water heating, electric lighting. Plans completed. Architect ready for bids.

**Club House**, Broad and Kenilworth streets. Architect, Fred Webber, Morris Building. Owners, Olympic Club, care of architect. Stone and brick, one story, 110x140 feet. Electric lighting, slate roof, steam heating. Architect taking bids, due January 18th. The complete list of bidders are: J. W. Emery, 1524 Sansom street; Doak & Co., Crozer Building; R. W. Petterson, Land Title Building; Cramp & Co., Denckla Building; George F. Pawling & Co., 1400 Vine street; H. H. Wehmeyer, 1004 West Lehigh avenue.

**Stores and Residence (alt. and add.)**, Sixty-first and Market streets. Architect, H. E. DeHoff, 48 South Sixty-first street. Owner, J. Ivers, on premises. Brick, three stories, 16x68 feet. Electric lighting, steam heating, slag roof. Plans completed. Architect taking bids.

**Garage**, City Line, Chestnut Hill, Philadelphia. Architects, McGoodwin & Hawley, 36 South Sixteenth street. Owner, W. W. Harper, City Line and Wissahickon avenue. Tile, one story, 30x40 feet. Slag roof, electric lighting, hot water heating. Plans in progress.

**School**, Fifth and Chew streets, Germantown, \$50,000. Architect, J. Horace Cook, City Hall. Owners, Board of Education, City Hall, Philadelphia. Brick and stone, fireproof, three stories, slate roof, electric lighting, steam heating. Plans in progress.

**Auditorium**, Upland, Pa. Architects, Broekie & Hastings, 328 Chestnut street. Owners, Upland Athletic Association, Upland, Pa. Brick, two stories, 45x95 feet. Slate roof, hot air heat, electric lighting. Plans in progress.

**Residences (16) two-family**, Logan, Pa., \$75,000. Architect, E. Allen Wilson, 1208 Chestnut street. Owner's name withheld. Brick, two stories, 20x\*\* feet. Slag roof, electric lighting, steam heating. Plans in progress.

**Residence (alt. and add.)**, 3817 Walnut street. Architect, Frank Seeburger, Pennsylvania Building. Owner, Mrs. Mary Rushton, on premises. Brick, three stories. Plans in progress. Architect will take bids in about one week.

**Residences (3)**, Ventnor, N. J. Architect, Frank Seeburger, Pennsylvania Building. Owner, John Stafford, 1112 Chestnut street. Brick, frame and plaster, 2½ stories, 28x38 feet. Slate roof, hot water heating, electric lighting, hardwood floors. Owner is taking sub-bids.

**Club House**, northwest corner Broad and Walnut streets, \$750,000. Architects, Simon & Bassett, 1118 Chestnut street. Owners, the Manufacturers' Club, on premises. Stone, brick and steel, fireproof, ten stories, 100x100 feet. Plans completed. Architects ready for bids.

**Bungalow**, Wynnefield, Pa. Architect, E. Allen Wilson, 1208 Chestnut street. Owner, S. S. Blackburn, care of architect. Stone, two stories, 33x63 feet, nine rooms, shingle roof, hot water heating, electric lighting, hardwood floors. Plans in progress.

**Convention Hall**, Broad and Allegheny avenue. Architect, Carl P. Berger, 1414 South Penn Square. Owner, City of Philadelphia. Frame and plaster, one story, 265x409 feet. Slag roof, electric lighting, steam heating. Plans in progress. Owners will be ready for bids about the 1st of February.

**Factory Building**, Philadelphia, Pa. Architects and builders, J. E. & A. I. Pennock, Land Title Building. Owner's name withheld. Brick and concrete, two stories, 144x329 feet. Electric lighting, slag roof, steam heating. Builders taking sub-bids.

**Bank Building**, 608 South Second street. Architects, Seymour & Paul A. Davis, 3rd, Sixteenth and Chestnut streets. Owners, Southwark National Bank, 608 South Second street. Brick and marble, two stories, 40x106 feet. Composition roof, hot water heating, electric lighting, marble floors. Plans about completed. Architects will be ready for bids in about two weeks.

**Stable and Garage**, St. Davids, Pa. Architect, D. Knickerbocker Boyd, northeast corner Fifteenth and Walnut streets. Owner, Charles S. Walton, Third and Vine streets.



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**Sunday School**, West Mt. Pleasant avenue and Bryan street, \$12,000. Architect, Jacob Naschold, 723 Walnut street. Owners, Mt. Airy M. E. Church. Hummelstown brown stone, iron work, electric lighting, steam heating, slag roof, 61x69 feet, one story and basement. Architect will be ready for bids in about ten days.

**Log Cabin**, St. Davids, Pa. Architect, D. K. Boyd, Fifteenth and Walnut streets. Owner, Charles S. Walton, Third and Vine streets. Timber and stone, two stories, 65x70 feet. Shingle roof, electric lighting, hot water heating. Plans completed. Architect ready for bids.

**Store and Dwelling**, 3436 Filbert street. Architects, Barnett J. Medoff & Son, 524 Walnut street. Owner, Abraham Tushinsky, on premises. Brick, two stories, 16x46 feet. Slag roof, steam heating. Owner to take bids.

**Building (alt. and add.)**, 833 North Seventh street. Architects, Barnett J. Medoff & Son, 524 Walnut street. Owner, Wolf Gutzait, on premises. Brick, three stories. Slag roof, electric lighting. Plans about completed. Architects ready for bids.

**Laboratory Building**, Stenton avenue, Fisher's Station. Architect, John G. Brown, Witherspoon Building. Owners, Atwater Kent Manufacturing Company, 46 North Sixth street. Brick, one story, 120x167 feet. Slag roof, electric lighting. Plans in progress.

**Church House**, Eugene, Oregon. Architects, Duhring, Okie & Ziegler, Bailey Building. Owners, Oregon University for Young Women Students. Fram and plaster, two stories, 80x50 feet. Shingle roof, electric lighting, steam heating. Plans in progress.

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**Factory**, Randolph and Race streets, \$30,000. Architects, Peuckert & Wunder, 310 Chestnut street. Owners, Burk Brothers, 409 Arch street. Brick, four stories, 66x90 feet. Slag roof, electric lighting, steam heating. Plans in progress.

**Residence (alt. and add.)**, Merion, Pa. Architect, Frank Seeburger, Pennsylvania Building. Owner, Dr. Albert C. Barnes, Merion, Pa. Stone, three stories, slate roof, hot water heating, electric lighting, hardwood floors. Architect has received bids.

**Residence (alt. and add.)**, Camden, N. J., \$7,000. Architects, Lackey & Davis, 307 Market street, Camden, N. J. Owner, W. B. Wood, care of architects. Brick and terra cotta, three stories, 20x40 feet. Steam heating, electric lighting, tin roof. Plans in progress.

**Residence (alt. and add.)**, Oak Lane, Pa. Architects, Stearns & Castor, Stephen Girard Building. Owner, J. B. Stetson, Jr., on premises. Stone, three stories, 38x70 feet. Slate roof, electric lighting, steam heating, hardwood floors. Architects taking bids, due January 24th. The following are figuring: F. E. Wallace, 1210 Sansom street; J. N. Gill, Heed Building; William R. Dougherty, 1608 Sansom street; H. E. Baton, Tenth and Sansom streets.

**Publishing Building**, Sixth and St. James streets. Architects, Bunting & Shrigley, 603 Chestnut street. Owners, Biddle Press Company, care of Ed. T. Biddle, 1010 Cherry street. Concrete and brick, 17x97 feet. Slag roof, electric lighting, steam heating. Architects have received revised bids.

**Apartment House**, Glenside, Pa., \$60,000. Architect, E. Allen Wilson, 1208 Chestnut street. Owner's name withheld. Brick, three stories, slag roof, electric lighting, steam heating. Preliminary plans in progress.

**Testing Laboratory**, Lansford, Pa. Architect, C. T. Storch, Summit Hill, Pa. Owners, Lehigh Coal and Navigation Company, Lansford, Pa. Brick, two stories, slag roof, electric lighting. Owners have received bids.

**Warehouse**, Pittston, Pa. Architect, J. V. Otis, Jr., Omaha, Neb. Owners, Cudahy Packing Company, Ninth and Girard avenue. Brick, three stories, 57x76 feet. Electric lighting, steam heating, tin roof. Owners taking bids, due January 19th. The following are figuring: Wayne Construction Company, 1218 Filbert street; B. Ketcham's Sons, 1029 Brown street.

**Stable and Warehouse**, 506-08 North Orianna street. Architect, C. N. Lueder, 325 Green street. Owner, Louis Hillman, on premises. Brick, two stories, 40x72 feet, electric lighting, slag roof, steam heating. Owners taking bids, due January 22nd. Irwin & Leighton, 126 North Twelfth street, are figuring.

**Amusement Hall**, Wildwood, N. J. Architect, D. Folsom, 1433 Chestnut street. Owner, James McClosker, Wildwood, N. J. Frame, one story, 20x100 feet. Slag roof, electric lighting. Plans in progress.

**School**, Trenton, N. J., \$30,000. Architect, William Slack, Merchants' Bank Building, Trenton, N. J. Owner, Board of Education of Trenton, N. J. Brick, three stories, 50x100 feet. Slate roof, electric lighting, steam heating. Plans completed. Architect ready for bids.

**School**, Atlantic City, N. J., \$50,000. Arch-

itects, Stout & Reibenach, Bartlett Building, Atlantic City, N. J. Owners, Board of Education of Atlantic City, N. J. Brick and terra cotta, three stories, 144x170 feet. Slate roof, electric lighting, steam heating. Plans in progress.

**Building (alt. and add.)**, 1430 Callowhill street. Architects, Sauer & Hahn, 1110 Chestnut street. Owner, A. E. Ford, on premises. Brick, six stories, new fire tower, electric work. Architect taking bids due January 18th. The following are figuring: A. R. Raff, 1616 Thompson street; Irwin & Leighton, 126 North Twelfth street; F. A. Havens & Co., 845 North Nineteenth street; J. G. Doak & Co., Crozer Building; Smith Hardican Company, 1606 Cherry street; Lam Building Company, 1001 Wood street; Thomas Seeds, 1207 Race street.

**Garage**, Camphill, Pa. Architects, Hewitt, Granger & Paist, Bullitt Building. Owner, Alexander Van Rensselaer, Camphill, Pa. Stone, two stories, 25x58 feet. Steam heating, electric lighting, asbestos shingle roof. Architects taking bids, due January 26th. The following are figuring: Stacey Reeves & Sons, 1611 Filbert street; T. Little, 1615 Sansom street; D. McCoork, Flourtown, Pa.; C. Gilpin, Harrison Building.

**Store Building (alt. and add.)**, 635 to 37 North Broad street. Architects, Watson & Huckel, 1211 Walnut street. Owner, H. T. Saunders, 31 South Eighteenth street. Brick, two stories, slag roof, electric lighting, steam heating. Architects taking bids, due January 17th. The following are figuring: J. B. Flounders, 1329 Arch street; Smith Hardican Company, 1606 Cherry street; Herman Voight, 1251 North Twenty-eighth street; George Taylor, 203 North Watts street; Burd P. Evans & Co., Thirteenth and Wallace streets.

**Residence**, Oak Lane, Philadelphia. Architects, DeArmond, Ashmead & Bickley, 618 Chestnut street. Owner, Harry Simons, Oak Lane, Philadelphia. Stone and stucco, 2½ stories, 26x43 feet. Slate roof, electric lighting, hot water heating, hardwood floors. Architects taking bids, due January 23rd. The following are figuring: George & Dorst, 277 South Eleventh street; F. L. Hoover & Sons, Builders' Exchange; Morrow & Johnson, Union avenue, Oak Lane; Clinton Hennerly, Ivins and Chestnut avenue, Oak Lane; S. W. Cook, 243 Olney avenue; H. Specht, Jr., Willow Grove, Pa.; Fesmier & Son, Glenside, Pa.

**Church**, Fortieth and Powelton avenue. Architect, A. A. Ritcher, Lebanon, Pa. Owners, St. Stephen's Evangelical Lutheran Church. Stone, one story, 75x100 feet. Slate roof, electric lighting, steam heating. Plans in progress.

**Residence**, 624 South Third street. Architect, Simon Bennett, Eighty-fourth and Gibson avenue. Owner, Wolf Treegobbb, care of architect. Brick, three stories, 17x68 feet. Slag roof, gas lighting, hot water heating. Architect has received bids.

**Department Store (add.)**, Brooklyn, N. Y. Architect, A. R. Koch, 26 Court street, Brooklyn, N. Y. Owner, Levi Brothers Company, Brooklyn, N. Y. Brick, three stories, 110x220 feet. Electric lighting, steam heating, tin and slag roof. Architect taking bids, due January 18th. Irwin & Leighton, 126 North Twelfth street, are figuring.

**Residence**, Oak Lane avenue, Philadelphia.





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Architect, V. B. Lee, 6603 North Eleventh street. Owner, A. W. Fairley, 1609 North Seventeenth street. Brick, 2½ stories, 50x56 feet. Shingle roof, stucco, hot water heating. Architect taking bids, due January 18th. The following are figuring: E. D. Lever, Abington, Pa.; A. Whitehead, 1624 Latimer street; Morrow & Johnson, Oak Lane, Philadelphia; F. R. Hill, 6700 North Sixth street; C. L. Hemmerle, Oak Lane, Philadelphia; F. T. Mercer, 1706 DeLancey street.

**Garage**, Twenty-third and Chestnut streets. Architects, S. Roberts, George U. Rehffuss & F. A. Hays, 1524 Chestnut street. Owner, Merry Gibson, 123 South Eleventh street. Brick, two stories, 95x120 feet. Slag roof, steam heating, electric lighting. Architects ready for bids.

**Store and Apartments Building**, Wilkes-Barre, Pa. Architects, Pettebone & Ireland, Wilkes-Barre, Pa. Owner, Dorrance Reynolds, Wilkes-Barre, Pa. Brick and terra cotta, five stories, 45x150 feet. Slate roof, electric lighting, steam heating. Architects have received bids.

**Sub-Station**, Bridgeport, Pa. Architects, Stone & Webster, 147 Milk street, Boston, Mass. Owners, Philadelphia and Western R. R. Co., Sixty-ninth and Market streets. Brick, one story, 40x40 feet. Electric lighting, steam heating, slag roof. Owners taking bids, due January 17th. James G. Doak & Co., Crozer Building, are figuring.

**Power House**, Seventieth and Woodland avenue. Architects, Harris & Richards, Drexel Building. Owners, St. Vincent's Home, Seventieth and Woodland avenue. Brick, one and two stories, 60x34 feet, wing, 20x34 feet. Slag roof, electric lighting. Architects taking bids, due January 19th. The following are figuring: A. R. Raff, 1635 Thompson street; Thomas Reilly, 1616 Thompson street;

J. McShain, 631 North Seventeenth street; B. Ketcham's Sons, 1029 Brown street; Melody & Keating, Bailey Building; Appleton & Burrell, 1208 Chancellor street; H. E. Baton, Tenth and Sansom streets; George & Borst, 277 South Eleventh street; J. E. & A. L. Pennock, Land Title Building; F. Elvidge, 5522 Germantown avenue.

**Bungalows (6)**, Perkiomen, Pa. Architect, H. J. Wetherill, 328 Chestnut street. Owner, J. L. Baum, Perkiomen, Pa. Stone and frame, 1½ stories, 30x60 and 20x40 feet. Shingle roof, electric lighting. Plans about completed. Owner to take bids.

**Rectory (alt. and add.)**, Thirty-ninth and Locust streets. Architect, H. J. Wetherill, 328 Chestnut street. Owners, St. Mary's P. E. Church, Thirty-ninth and Locust streets. Brick and stone, three stories. Plans in progress.

**Residence**, Moorestown, N. J. Architects, Savery, Sheetz & Savery, Stephen Girard Building. Owner, George Abbott, 1823 Filbert street. Stone, 2½ stories. Plans in progress.

**Residence**, Stone Harbor, N. J. Architect, H. L. Reinhold, Tenth and Sansom streets. Owners, South Jersey Realty Company, Real Estate Trust Building. Frame, 2½ stories, 30x50 feet. Shingle roof, electric lighting. Plans in progress.

**Residence**, Stone Harbor, N. J. Architect, H. L. Reinhold, Tenth and Sansom streets. Owner, George W. West, West Chester, Pa. Frame, 2½ stories, 30x40 feet. Shingle roof, electric lighting. Plans in progress.

**Office Building (alt. and add.)**, 123 South Thirteenth street. Architect, H. L. Reinhold, Tenth and Sansom streets. Owners, Morris Realty Company, on premises. Brick, three stories, new granite front and interior alterations. Plans in progress.

### TRENTON, N. J.

#### CONSTRUCTION NEWS.

**Residences (4)**, Trenton, N. J., \$7,000 each. Architect, W. B. Thines, Commonwealth Building, Trenton. Owner, Albert Lehman, Trenton, N. J. Brick, 2½ stories, 56x50 feet. Slate and tin roof, hot water heating. Owner will take bids.

**Bank Building (alt. and add.)**, Trenton, N. J. Architect, W. A. Poland, Broad Street Bank Building. Owners, Broad Street National Bank, Trenton, N. J. Brick and terra cotta and steel, fireproof, twelve stories, 50x100 feet. Slag roof, electric lighting, steam heating. Work to be sub-let.

**School**, Trenton, N. J., \$30,000. Architect, William Slack, Merchants' Bank Building, Trenton, N. J. Owner Board of Education of Trenton, N. J. Brick, three stories, 50x100 feet. Slate roof, electric lighting, steam heating. Plans completed. Architect ready for bids.

### ATLANTIC CITY, N. J.

#### CONSTRUCTION NEWS.

**Residence**, Ventnor, N. J., \$10,000. Architect, W. S. Hewitt, Bartlett Building, Atlantic City, N. J. Owner, Walter K. Caveller, Atlantic City, N. J. Brick and frame, three stories, 40x40 feet. Electric lighting, hot water heating, slag roof, hardwood floors. Owner will take sub-bids.

**Apartment House**, Atlantic City, \$10,000. Architect, W. S. Hewitt, Bartlett Building, Atlantic City. Owner, David D. Wescott, Atlantic City. Brick, three stories, 30x75 feet. Electric lighting, steam heating, slag roof. Owner will take sub-bids.



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**Residence**, Atlantic City, N. J., \$15,000. Architects, J. M. Mathias & Sons, Bartlett Building. Owner, J. T. Townsend, Atlantic City, N. J. Hollow tile, 2½ stories, 34x50 feet. Electric lighting, hot water heating, slate roof, hardwood floors. Architects will take bids in a few days.

**School**, Atlantic City, N. J., \$50,000. Architects, Stout & Reibenach, Bartlett Building, Atlantic City, N. J. Owners Board of Education of Atlantic City, N. J. Brick and terra cotta, three stories, 144x170 feet. Slate roof, electric lighting, steam heating. Plans in progress.

**Cottages (2)**, Atlantic City, \$22,000. Architect, B. Ireland, Bartlett Building, Atlantic

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WILMINGTON, DEL.

### CONSTRUCTION NEWS.

**Residence**, Cambridge, Md., \$16,000. Architect, L. W. Crawford, Wilmington, Del. Owner, Albanus Phillip Cambridge, Md. Brick and frame, three stories, 35x60 feet. Electric lighting, steam heating, slate roof, hardwood floors.

**Hall Building (alt. and add.)**, Wilmington, Del., \$25,000. Architects, J. & M. Kennedy, Ford Building, Wilmington, Del. Owners, Wilmington Turngemeinde, Eighth and French streets, Wilmington. Brick, fireproof, three stories, 50x60 feet. Electric lighting, steam heating, tin roof, hardwood floors. Plans in progress.

**Warehouse (add.)**, 4 and 6 East Second street, Wilmington, Del., \$30,000. Architects, E. L. Rice & Co., 815 Market street, Wilmington, Del. Owner Nathan B. Danforth, on premises. Brick, four stories, 30x75 feet. Slag roof, electric lighting, steam heating. Plans in progress.

**City**. Owner, E. Lippincott, Atlantic City, N. J. Brick and frame, 2½ stories, 70x100 feet. Electric lighting, hot water heating, slate roof. Contract awarded to Knauer Company, Atlantic City, N. J.

**Apartment and Store**, 1532 Atlantic avenue, Atlantic City, \$14,000. Architect, V. B. Smith, Bartlett Building, Atlantic City. Owner, Abe Freeman, Atlantic City, N. J. Brick, 2½ stories, 40x10 and 40x62 feet. Slag roof, electric lighting, hot water heating. Contract awarded to W. Beaumont, Atlantic City, N. J.

**Fire House (alt. and add.)**, Atlantic City, N. J., \$4,000. Architect, S. H. Vaughn, Atlantic City, N. J. Owners, City of Atlantic City. Brick, two stories, slag roof, electric lighting. Contract awarded to W. Beaumont, Atlantic City, N. J.

Place an "ad" in the Guide. Let your friends in the trade know that you are one of the "live" ones.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Nurses' Home (add.)**, Norristown, Pa. Architects, Baker & Dallett, 1629 Chestnut street. Owners, State Hospital for the Insane, Norristown, Pa. Brick and stone, three stories, two wings, 40x70 feet. Slag roof, electric lighting, steam heating. Abel Bottoms & Sons Company, 41 South Fifteenth street, submitted the lowest bid, \$49,000.

**New Front and alt. and add.**, Eleventh and Ludlow streets. Architects, Sauer & Hahn, 1114 Chestnut street. Owner, A. H. Geuting, 1230 Market street. Brick, three stories. Contract awarded to Anderson & Jasson, 1708 North Front street.

**School**, Diamond and Sedgley and Twenty-eighth streets. Architects, Ballinger & Perrot, 1211 Arch street. Owner, Most Precious Blood R. C. Church, on premises. Brick and stone, two additional stories, slate roof. Contract awarded to W. J. McShain, 417 South Thirteenth street.

**Garage**, Mermaid Lane, Germantown. Architects, Duhring, Okie & Zeighler, Bailey Building. Owner's name withheld. Stone, one story, 24x30 feet. Slate roof, hot water heating, electric lighting. Contract awarded to F. B. Davis, 35 South Seventeenth street.

**Garage**, Waverly and Noble streets. Architect, Horace Trumbauer, Land Title Building. Owner, Ed. L. Welsh, 1422 Spruce street. Brick, three stories, 32x50 feet. Slag roof, electric lighting, steam heating. Contract awarded to H. I. Brown, 1714 Sansom street.

**Building (alt. and add.)**, 1933 North Broad street. Architects, Sauer & Hahn, 1118 Chestnut street. Owners, Henry Mitchell, on premises. Brick, three stories, electric lighting, vapor heating. Contract awarded to J. D. Myers & Co., 1237 Ridge avenue.

**Residence (alt. and add.)**, Greenwich, Conn. Architect, C. B. Keen, Bailey Building. Owner, William Steel Gray, Greenwich, Conn. Wing and miscellaneous alterations. Contract

awarded to F. St. George Smith, Greenwich, Conn.

**Factory**, Greenwich Point, Pa. Architect, private plans. Owners, Pennsylvania Salt Manufacturing Company, 115 Chestnut street. Brick, four stories, 50x50 feet. Slag roof, electric work. Contract awarded to Hennibique Construction Company, Real Estate Trust Building.

**Building (alt. and add.)**, 438 Market street. Architects, Lachman & Murphy, Witherspoon Building. Owners, Gately & Fitzgerald, 1710 Market street. Brick, five stories, new front, electric lighting, steam heating, slag roof. Contract awarded to Charles McCaul Company, Tenth and Sansom streets.

**Residence (alt. and add.)**, Paoli, Pa. Architects, Evans, Warner & Bigger, Witherspoon Building. Owner, S. Boyer Davis, Paoli, Pa. Stone, two wings, 2½ stories, 20x50 and 25x40 feet. Shingle roof, electric lighting, hot water heating. Contract awarded to Gray Brothers, Rosemont, Pa.

**Store (alt. and add.)**, 3240 Chestnut street. Architect, D. Folsom, 1433 Chestnut street. Owner, I. T. Schich & Sons, on premises. Brick, two stories, electric lighting, steam heating, hardwood floors. Contract awarded to Bowers & Logan, 2010 Chancellor street.

**Ward Buildings (2) and Connecting Corridor**, Second and Luzerne streets. Architect, P. H. Johnson, Land Title Building. Owners, City of Philadelphia. Brick, two stories, 40x160 feet. Slate roof, electric lighting, steam heating. Contract awarded to James G. Doak & Co., Crozer Building.

**School**, Mt. Holly, N. J. Architect, Clyde S. Adams, 1233 Arch street. Owners, Board of Education of Mt. Holly, N. J. Brick, two stories, slate roof, electric lighting, steam heating. Joseph Steelman, Bridgeton, N. J., submitted the lowest bid.

**High School**, Doylestown, Pa. Architect,



Clyde S. Adams, 1233 Arch street. Owners, Board of Education of Doylestown. Brick and stone, three stories, 100x50 feet. Slate roof, steam heating, electric lighting. Joseph Steelman, Bridgeton, N. J., submitted the lowest bid.

### Alterations and Additions

Pennsylvania Company for Insurance on Lives and Granting Annuities (C), 517 Chestnut street. F. L. Wintz (C), 1618 North Twenty-second street. Cost, \$700. Store, 1517 Chestnut street.

James Bechtold (O), 1718 Frankford avenue. William Myers (C), 2000 East Carlisle street. Cost, \$550. Laundry, 1723 Blair street.

Sam Hornstein (O), 1312 North Franklin street. H. S. Basow (C), 1434 South Fourth street. Cost, \$320. Garage, rear of 1312 North Franklin street.

Henry Mitchell (O), 954 North Franklin street. J. F. Myers & Co (C), 1237 Ridge avenue. Cost, \$1,500. Residence, 1933 North Broad street.

I. T. Schlick & Son (O), 3240 Chestnut street. Bowers & Logan (C), 2010 Chancellor street. Cost, \$5,100. Store, 3240 Chestnut street.

Fidelity Trust Company (O), 325 Chestnut street. A. P. Frain (C), 319 Market street. Cost, \$1,170. Warehouse, 34 North Fourth street.

M. Katzman (O), 203 South Fifth street. Fred Quate (C), 1323 Snyder avenue. Cost, \$1,000. Store and dwelling 435 Monroe street. Cost, \$5,000. Residence, brick, three stories, 18x26 feet, 703 South Fifth street. Cost, \$4,000. Seven residences, two families, 701 South Fifth street.

J. Jadwich (O), 526 Tasker street. Fogel & Myers (C), 534 Bainbridge street. Cost, \$900. Store and dwellings, 529 South street.

Maggie Mullon (O), 1719 Spring Garden street. Cost, \$600. Office and residence, 1719 Spring Garden street.

B. & J. Wasserman (O), 227 South Broad street. William R. Dougherty (C), 1610 Sansom street. Cost, \$9,000. Store and office, 227 South Broad street.

T. Maguire (O), 3126 North Twenty-ninth street. H. Tecklenburg (C), 2005 North Fifth street. Cost, \$400. Saloon, 3126 North Twenty-seventh street.

L. J. Mathias (O), 302 South Fifty-second street. Cost, \$2,400. Six dwellings, 6149-63 Jefferson street.

Moritz & Wertner (O), 376 Lyceum avenue. Cost, \$2,500. Store, Cresson and Grape street.

S. Goldberg (O), 1332 Germantown avenue. Betterman & Alkes (C), 932 North Marshall street. Cost, \$320. Store and dwelling 1332 Germantown avenue.

Real Estate Trust Company (O), Broad and Chestnut streets. W. Morow (C), 320 Harmony street. Cost, \$1,950. Store, 438 Market street.

Charles J. Webb (O), 116 Chestnut street. Irwin & Leighton (C), 126 North Twelfth street. Cost, \$1,500. Warehouse, Delaware avenue and Walnut street.

A. R. Martin (O), Fifteenth and Castle avenue. J. V. Tunnell (C), Sixty-third and Kinsessing avenue. Cost, \$1,500. Store and dwelling, 1414 South Fifty-second street.

N. J. Sickels (O), Central Trust Company, Philadelphia. Cost, \$2,300. Store and dwelling, brick, two stories, 16x44 feet, Avondale and Vine streets. Cost, \$4,400. Two stores and dwellings, Sixty-fourth and Vine streets.

P. A. B. Widener (O), Elkins Park, Pa. Charles E. Bell (C), 223 South American street. Cost, \$600. Storage, Broad and Olney streets.

Printz Degressing Company (O), Thirtieth and Magazine avenue. J. N. Gill & Co. (C), Heed Building. Cost, \$300. Drying shed.

## THE WIDE MORTAR JOINT IN MODERN BRICKWORK

By J. Parker B. Fiske, B. S.

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The mortar joint, as a factor in the production of a beautiful brick wall, has not received the consideration in the past which its great importance warrants, and it is with a view of inspiring a greater interest in this important detail that the writer respectfully presents the following discussion.

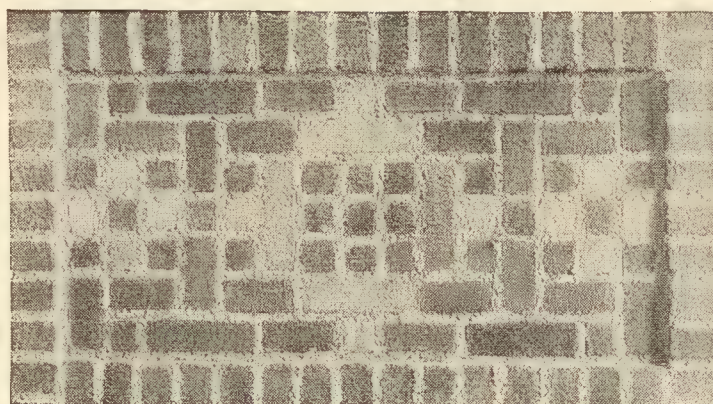
With the narrow mortar joint which has been in vogue in this country in the past, the composition of the mortar and the finish of its surface are, from an aesthetic standpoint, of little moment; with the rapidly increasing use of the wide mortar joint, they become matters of vital importance.

One has but to look about him to see numberless instances where the mortar joint has well-nigh ruined an otherwise good piece of brickwork.

wide joints may be useful to a clearer understanding of this matter:

"Grit."—This consists of pebbles varying from 1-32 of an inch in diameter to a diameter about equal to one-half the width of the joint, that is to say, "grit" for a 1/2-inch joint should contain pebbles not over 1/4 inch in diameter. This "grit" should be screened free from sand in order that a measured amount of both "grit" and sand may be used in the mortar. The practice of using a mixture of sand and pebbles as the material comes from the ordinary sandbank is usually unsatisfactory owing to the varying proportion of "grit" thus obtained.

Sand.—Unless a very white joint is desired, any good ordinary bank sand or "native" sand is perfectly satisfactory, provided



MOSAIC PANEL, BLAIR HOUSE.

Three sizes of brick, all multiples of a single unit and three blending colors.

### Composition of the Mortar.

For narrow joints, a mortar made of fine sand, cement and lime answers all the requirements fairly well. For a wide joint, such mortar is wholly unsatisfactory; it is soft and pasty, squeezes out of the joint before it is set—(due to the weight of the brick), smears the face of the wall and usually ruins the work.

Mortar for a wide joint, that is to say 3/4 of an inch or more, should contain a liberal proportion of fine pebbles known to the trade as "grit," good coarse sand, Portland cement, a small amount of lime putty (or hydrated lime), and whatever coloring matter is desired.

Bricklayers who are accustomed to the use of fine mortar only, almost invariably object to the wide mortar joint, often claiming that brick cannot be thus laid economically. Experience has shown, however, in the case of hundreds of structures erected with a wide mortar joint during the last three years, that all difficulties vanish with the use of proper materials and a proper method of mixing. Moreover, it has been thoroughly demonstrated that brick can be laid with a wide joint of proper mortar quite as rapidly and economically as with a narrow joint; in fact, much testimony goes to show that the wide joint is the cheaper of the two.

The following description of materials for

it is coarse and sharp. Sand coming from salt water beaches should be absolutely prohibited, as the salt often effervesces from the mortar joint in the spring of the year, thereby causing disagreeable disfigurement.

Cement.—Any first-class Portland cement is satisfactory.

Lime.—Where lime putty is used, it should be thoroughly slaked until all lumps are disintegrated. On small work and in certain localities the use of dry hydrated lime will be found not only convenient but economical.

Coloring matter.—This must be determined to suit each individual case, according to the taste of the designer.

The formulæ given provide for "French's" mortar colors. Other makes may be used, but the quantity must be determined according to the color value of the particular material used.

### Mixing the Mortar.

We venture the statement that nine-tenths of all trouble arising from unsightly mortar joints can be traced directly to an improper method of mixing or to gross carelessness on the part of the mixer.

The common practice of slaking the lime and mixing with sand in a large storage bed in the early stages of the work, and then "gauging" small lots with cement from time to time as mortar is required by the brick-



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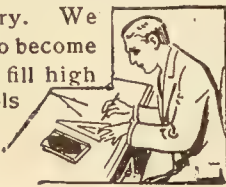
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layer, should absolutely be prohibited, that is, where bricks are to be laid with a wide joint. While this method may serve fairly well in the case of narrow and inconspicuous joints, it is almost certain to produce streaks and patches of varying color and texture in the case of wide joints, the area of the latter

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should be accurately measured. Too much importance cannot be attached to this rule.

Suitable measuring boxes should be provided and their careful use should be insisted upon. A little care at the mortar bed will be repaid many times over by the improved appearance of the building in which the mortar joint forms so important a part.

### Formulae for Mortar Mixing.

Generally speaking, we recommend for "Tapestry" or other similar rough texture bricks of the red or brown colors, a cream gray mortar mixed as per formula "J," or a dark reddish brown mortar mixed as per formula "B;" for bricks of the gray colors a very dark gray mortar mixed according to formula "K;" and for bricks of the golden and tan colors either the cream gray mortar "J" or the dark gray mortar "K."

### Formula "K"—Dark Gray.

"Grit" .....	2 parts
Sand .....	5 parts
Cement .....	1 part
Lime Putty* .....	½ part
Yellow (powder) .....	1-6 part
Black (paste) .....	1-100 part

\*Or hydrated lime.

### Method of Laying Brick.

Face brick should invariably be laid from a scaffold on the outside of the wall, never overhand, from the inside. It is impossible by the latter method to get the joints of equal thickness and finish or to do good work in other respects.

Generally speaking, we strongly recommend that the mortar joint be finished as follows:



### BRICK WORK IN THE BLAIR HOUSE

Oyster Bay, L. I.

A Reproduction of those Used in the Famous Baths of Titus

often exceeding, as it does, one-quarter of even one-third the area of the entire wall surface.

We have frequently seen mortar joints in the same wall varying from white to mouse gray owing to the fact that the mortar mixer did not measure his materials, but "gauged" them with his eye or "judgment." When the mixer gets the mortar too soft it is a common practice to put in more cement to stiffen it, the result being that no two batches of mortar are alike in color. With such a "hit or miss" method, satisfactory work is well-nigh impossible.

The ingredients of each batch of mortar

### Formula "B"—Dark Reddish Brown.

"Grit" .....	3 parts
Sand .....	5 parts
Cement .....	1 part
Lime Putty* .....	½ part
Brown (paste) .....	1-3 part
Yellow (powder) .....	1-3 part
Black (paste) .....	1-50 part

### Formula "J"—Cream Gray.

"Grit" .....	2 parts
Sand .....	5 parts
Cement .....	1 part
Lime Putty* .....	½ part
Yellow (powder) .....	1-6 part
Black (paste) .....	1-200 part

For red or brown brick with cream gray mortar, the joint should be "rough cut flush;" in the case of the dark brownish red mortar, the joint should be "raked out" to cast a shadow.

Experience has shown that a rough cut mortar joint is very undesirable with gray brick, as the brick and the joint are so nearly the same color and texture that the wall loses character and looks like a monotonous cement surface. The joint should, therefore, be raked out to cast a shadow and accentuate the joint.

With bricks of the golden group, unless a distinctly white joint is used, thereby set-





**A STUDY TO DETERMINE THE BEST MORTAR JOINT FOR THE LOTOS CLUB, NEW YORK.**

--Donn Barber, Archt.

This panel is built with three different mixtures of mortar and finished partly "raked out" and partly "rough cut flush."

Notice (even in the picture) how a variation of mortar alters the whole appearance of the brickwork. Unfortunately this spotted effect is seen too often in a finished building.

ting out each brick distinctly, the joints should be raked out as in the case of the gray brick.

Rough cut flush joint. Allow the mortar to ooze between the brick and simply clip off the surplus mortar with the trowel. Do not under any circumstances allow the bricklayer to smooth the joint with his trowel or

any other tool. The use of "grit" when the joint is thus treated gives texture to the joint which is thoroughly in keeping with the texture of the brick itself. The coarser the "grit" the rougher will be the texture of the joint.

Raked out joint. Lay the brick in the ordinary way and rake the joint out roughly with a stick or a nail to the depth of at

least  $\frac{1}{4}$  inch. Do not allow the bricklayer to smooth the joint.

**To Summarize Briefly.**

1st. Use "Grit." 2d. Measure all materials carefully. 3d. Lay the brick from an outside scaffold. 4th. Never smooth the joint. 5th. Be sure your mortar is not too soft.



Architect  
Lawrence Visscher Boyd, Phila.

RESIDENCE OF OSWALD J. DE ROUSSE, GERMANTOWN, PHILADELPHIA



# PHILADELPHIA AS A BUILDING CENTER

Official Figures Showing in Detail the Constructive Activity of the Last Six Months of 1911.

The following table shows the number of new buildings erected from July 1st to December 31st, 1911.

1911.	July	Aug.	Sept.	Oct.	Nov.	Dec.	No. of Operations	Estimated Cost
Two-story Dwellings . . . . .	832	627	533	356	214	68	2,630	\$5,939,700
Three-story Dwellings . . . . .	75	42	76	43	20	16	272	1,324,210
Four-story Dwellings . . . . .	0	0	1	0	0	0	1	7,000
Office Buildings . . . . .	3	1	5	2	5	1	17	25,930
Office Buildings over two stories . . . . .	1	1	0	0	1	0	3	315,000
Warehouses . . . . .	6	3	3	1	2	2	17	241,060
Dye and Dry Houses . . . . .	0	0	0	0	0	0	0	
Factories . . . . .	5	5	3	3	4	6	26	1,162,435
Engine and Boiler Houses . . . . .	2	1	1	0	1	1	6	48,100
Breweries and Bottling Houses . . . . .	0	0	2	0	0	0	2	150,000
Foundries and Shops . . . . .	5	6	6	3	0	5	25	24,720
Stores . . . . .	12	8	5	0	1	1	27	79,075
School Houses . . . . .	2	2	0	1	1	0	6	1,462,680
Stables . . . . .	14	21	14	12	9	9	79	178,185
Churches . . . . .	3	2	2	2	1	1	11	278,735
Miscellaneous Buildings . . . . .	47	46	37	37	41	29	237	2,933,465
<b>Total New Buildings . . . . .</b>	<b>1,007</b>	<b>765</b>	<b>688</b>	<b>460</b>	<b>300</b>	<b>139</b>	<b>3,359</b>	<b>\$14,170,285</b>
Alterations and Additions . . . . .	350	391	312	336	317	194	1,900	2,621,375
<b>Grand Total . . . . .</b>							<b>5,259</b>	<b>\$16,791,660</b>
Heaters . . . . .							179	90,575
Roof Signs . . . . .							45	7,535
Fire-escapes . . . . .							78	16,585
Fireproofing . . . . .							4	19,300
Miscellaneous Unclassified Work . . . . .							888	113,517
<b>Total work of all kinds . . . . .</b>							<b>6,453</b>	<b>\$17,039,225</b>

Note: "Miscellaneous Buildings" includes the following:—

3 One-story Dwellings . . . . .	\$5,700	1 Hospital . . . . .	62,000	4 Railroad Stations . . . . .	109,000
11 Frame Dwellings . . . . .	27,550	5 Charitable Institutions . . . . .	276,100	2 Power Houses . . . . .	43,000
5 Halls . . . . .	22,200	1 Convent . . . . .	26,250	3 Parish Buildings . . . . .	111,670
14 Municipal Buildings . . . . .	872,500	1 Club House . . . . .	10,000	55 Unclassified Buildings . . . . .	90,055
23 Tenement Houses . . . . .	543,200	1 Bank . . . . .	15,475		
2 Apartment Houses . . . . .	18,500	9 Theatres . . . . .	216,600	237	\$2,933,465
1 Hotel . . . . .	350,000	96 Garages . . . . .	133,665		

The following tables by months show the number of two and three-story dwellings, including two and three story stores and dwellings, erected from July 1st to December 31st, inclusive in each of the forty-seven Wards.

## TWO-STORY DWELLINGS—Including two-story stores and dwellings.

Wards	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	Total
July	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	37	11	0	20	0	0	0	0	0	0	0	0	30	0	0	0	78	0	88	10	28	261	11	48	207	0	835
Aug.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	29	24	0	10	0	0	0	0	0	0	0	26	24	4	55	2	36	2	157	12	65	3	1	8	156	0	626
Sept	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	12	4	52	0	0	0	0	0	0	0	0	60	5	39	0	49	0	153	15	34	3	18	5	83	0	533	
Oct.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	17	28	17	0	18	0	0	0	0	0	0	0	85	20	11	0	0	75	0	12	19	36	7	0	3	6	0	356
Nov.	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	9	6	0	4	0	0	0	0	0	0	0	63	2	0	0	51	0	4	0	14	5	0	2	43	0	212
Dec.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	0	0	3	0	0	1	0	0	0	0	0	22	0	0	0	2	0	4	2	3	0	0	0	23	0	68
Totals	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	41	113	65	58	51	4	0	1	0	0	0	0	111	219	22	94	2	291	2	418	58	180	279	30	66	518	0	2630

## THREE-STORY DWELLINGS—Including three-story stores and dwellings.

Wards	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	Total
July	0	0	0	3	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	8	2	0	0	1	0	0	0	2	0	0	0	2	1	1	0	10	9	0	0	4	17	9	0	0	0	72
Aug.	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	4	10	1	0	0	1	0	0	0	0	0	0	6	2	0	0	0	0	4	1	1	0	0	0	7	0	41	
Sept.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	4	1	0	0	0	8	0	0	0	0	0	1	10	0	0	0	38	0	0	2	0	1	0	0	8	0	76
Oct.	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	1	0	0	0	0	0	0	0	25	3	0	0	0	0	0	1	1	0	8	0	0	0	45	
Nov.	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	3	6	0	4	0	0	1	0	0	0	0	0	0	3	0	0	0	0	0	0	1	0	1	0	0	0	22	
Dec.	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	6	3	0	0	0	0	16	
Totals	1	0	1	7	1	0	2	2	0	0	0	0	0	0	0	1	0	3	3	1	10	30	4	4	1	2	9	0	0	2	0	0	7	44	4	1	0	48	13	1	11	8	19	17	0	15	0	272



## BUILDING WORK LAST YEAR.

## Average Decline of 15 Per Cent. as Compared With Figures for 1910.

Reports from fifty building centres throughout the United States, collected by the "American Contractor," show a general decline of about 15 per cent. in building industries during the year 1911, as compared with the previous year. The principal gains for the year 1911 were made in Cambridge, 24; Cincinnati, 67; Cleveland, 21; Dallas, 31; Evansville, 52; Hartford, 29; Louisville, 142; Milwaukee, 25; New Haven, 33. The figures for Philadelphia, which have been already published, show a substantial gain of almost \$3,000,000 in 1911 over the figures for the year 1910. The following are the totals for last year from fifty cities, other than Philadelphia, as compared with the totals of the same cities for the year 1910:

City	1911. Cost.	1910. Cost.
Atlanta .....	\$6,215,900	\$7,405,950
Baltimore .....	9,325,833	9,798,312
Birmingham .....	3,554,157	3,524,653
Bridgeport .....	10,364,000	9,222,000
Buffalo .....	10,364,000	9,222,000
Cambridge .....	2,905,525	2,341,425
Chicago .....	105,269,700	96,932,700
Cedar Rapids .....	2,021,456	2,608,650
Cincinnati .....	13,484,925	8,048,010
Cleveland .....	16,994,677	13,948,413
Columbus .....	4,668,242	5,124,828
Dallas .....	5,523,373	4,199,040
Denver .....	6,084,260	11,319,955
Detroit .....	19,012,259	17,515,945
*Duluth .....	2,563,338	13,311,264
Evansville .....	2,006,966	1,317,070
Grand Rapids .....	2,508,714	2,255,621
Hartford .....	5,896,244	4,541,979
Indianapolis .....	9,349,477	8,194,311
Kansas City .....	13,310,791	13,783,196
Los Angeles .....	23,004,185	21,684,100
Louisville .....	8,951,123	3,690,032
Manchester .....	1,486,781	1,334,530
Memphis .....	5,859,146	6,280,498
Milwaukee .....	12,336,098	9,797,581
Minneapolis .....	13,735,285	14,363,830
Nashville .....	1,209,609	1,623,796
Newark .....	10,975,334	13,394,812
New Haven .....	5,868,519	4,386,065
Manhattan .....	111,290,408	108,643,095
Brooklyn .....	37,711,067	39,796,840
Bronx .....	24,413,307	45,432,530
New York .....	173,414,782	193,872,465
Oakland .....	7,118,197	7,078,635
Oklahoma City .....	2,828,156	5,493,203
Omaha .....	5,426,863	6,250,988
Paterson .....	2,263,597	2,199,756
Pittsburgh .....	11,706,898	12,790,599
Portland Ore. ....	17,419,090	19,766,998
Rochester .....	9,389,775	10,082,528
St. Louis .....	18,607,555	19,600,063
Salt Lake City ....	3,159,600	4,461,400
San Francisco .....	20,915,474	20,508,556
Scranton .....	1,753,870	2,085,948
Seattle .....	7,491,156	17,163,080
Spokane .....	3,314,780	5,883,484
Tacoma .....	1,707,644	2,685,051
Toledo .....	3,722,536	3,953,622
Wilkes-Barre .....	2,104,277	2,052,180
Worcester .....	5,002,985	4,304,207
Totals .....	\$550,272,098	\$653,648,557

\*Duluth \$10,000,000 steel works permit issued 1910.

When you want to find the address of the man who "doesn't believe in advertising," don't look up a directory. Just ask the sheriff.

## BLACKLIST FOR BAD BUILDERS

Chief Clark of the Philadelphia Bureau of Building Inspection wants the Building Laws so amended as to punish men who persistently violate Regulations—To Limit also Height of Buildings.

Feeling that the penalties prescribed for violation of the building laws are totally inadequate, amounting merely to a fine of \$75, Chief Clark, of the Bureau of Building Inspection, will take up the matter with Director Porter and Mayor Blankenburg, with a view to having what he regards as an adequate penalty provided.

It is Mr. Clark's idea that builders carrying on their business in Philadelphia, as well as architects and engineers, should be licensed or registered, as plumbers are now required by the health laws to be, and that the penalty for persistent violation of the building laws, either through incompetency, wilfulness or neglect, should be blacklisting by the Public Safety Department and debarment from carrying on business in the city, as plumbers, who violate the health laws, are now debarred by the Department of Health.

## Want Act Amended.

In order that the Bureau of Building Inspection may be clothed with authority to refuse permits to persistent violators of the building laws, an amendment to the present act will have to be passed by the Legislature.

It is felt by the officials of the Bureau that the power to create a blacklist of incompetents, or violators of law, or both, could not help but result in a great improvement in the character of work done in many sections of the city, and that a man who desires to engage in the building business, or to practice architecture or engineering, should be prepared to demonstrate his fitness.

This might be shown by an examination by competent authorities in the various lines of the trades and professions mentioned, either written or oral, as to theoretical knowledge, while the practical end of it could be vouched for by employers for whom applicants have worked, it was said.

It is believed that in this way many who are unfit, either from lack of practical experience, or a general disinclination to do good work, may be eliminated.

## Other State Laws.

Many States, notably New Jersey, have laws requiring the licensing of architects and engineers before they can practice their professions within their borders, and there has been agitation by the Philadelphia Chapter of the American Institute of Architects and the T-Square Club, of this city, looking to having such a law in Pennsylvania, but nothing definite has come of it.

As retroactive laws are prohibited by the constitution, any act along the lines proposed by Mr. Clark could not immediately debar any person at present carrying on business from registry, but the unfit could, it is felt by the officials, soon be weeded out under its provisions.

## To Limit Height of Buildings.

Another reform under consideration by Chief Clark is the securing legislation from Councils to limit the height of all buildings which may be erected in the future in this city. The matter has not yet taken definite shape, and it is questionable whether it will come before Councils in the near future. The kind of legislation favored by Chief Clark, of the Bureau of Building Inspection, is an ordinance which will limit the height of all future buildings to three times the width of the street on which they are built. An ordinance on these lines has recently been passed by the Councilmanic bodies of Chicago, and signed by the Mayor. Boston, it is said, is also considering such an ordinance.

The question of limiting the height of buildings has been considered by several large municipalities for several years past, ever since, indeed, the modern steel structures began to assume such enormous proportions. No step has ever been taken in the direction of securing legislation to limit the height, except in the case of Chicago, and this is being bitterly contested, as might be expected, by practically all the real estate interests in that city. The latter anticipated from the workings of such a law an immediate drop in the value of many valuable lots, ground which is restricted as to the height of the improvement which can be made to it, necessarily being less valuable than ground which is not so restricted. One of the arguments used by those in favor of limiting the height of buildings is that they congest traffic and thereby unduly inflate the value of ground in certain sections at the expense of ground in other sections.

(Continued on page 52.)

## GRUEBY TILES

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## New Ideas, Materials and Devices

Innovations in Material and Equipment That Merit the Interest of Architect and Building Owner—A Running Resume of Novelties More or Less Recent.

### Cypress the Everlasting:

If you are interested in obtaining absolutely free of cost a complete set of architect's plans and working drawings for an attractive bungalow costing about \$5,000 to build, write at once to the Southern Cypress Manufacturers' Association, 1216 Hibernia Bank Building, New Orleans, La., and ask for Vol. 8 of the "Cypress Pocket Library," which has just been published. It will be mailed you free on request. In addition to the plans for a fine example of this type of residence known as Bungalow "C," from the design of William G. Massdrene, a New York architect widely known for his original and successful bungalows, the volume contains complete specifications covering all materials and details of construction, and incidentally tells you a very interesting story of the advantages of cypress wood as a building material from the point of view of durability, economy and artistic quality.

### Copper Clad Nails:

"Copper Clad" is the general trade name for the product marketed by the Duplex Metal Products Company, Chester, Pa., among which are copper clad steel nails, in which carpenters and builders will be especially interested. Among the well-known properties of copper are its toughness and its power of resisting corrosion. Steel has great tensile strength and elasticity. Evidently, in copper clad steel nails we have a product that combines the advantages of both metals, and is preferable in certain situations and under certain conditions to all-steel or all-copper. They are sold under a guarantee of tensile strength, perfect weld between copper and steel, and rust-proof quality. These nails are not dipped in copper or plated; but by the special process above referred to, the molten copper is permanently welded to the steel, the result being a heavy surface of copper over the steel core. The nails will stand hard driving without bending, are rust-proof, and have long life under the most exacting conditions. For roofing, cornice work, and building purposes generally, their special advantages commend them to the attention of carpenters and contractors. The "Copper Clad Handbook" tells the whole story of this well-founded enterprise. It cost a lot of money to get out, but will cost you nothing. Write for it.

### Shelby Combined Check and Floor Hinge:

The Shelby Spring Hinge Company, of Shelby, Ohio, has recently brought out a combined check and Floor Hinge for double acting doors. Their claims are many for this

combined fixture and we believe will at once appeal to the architect and builder on account of its simple, easy and practical way of applying. There is no mortising whatever to be done in the floor, thus entirely avoiding the placing of any of the parts of the hinge or check below the surface of the floor where dampness and rust will soon disturb and destroy the mechanism, as well also as the inconvenience of getting to the parts to do any adjusting, oiling, etc. In this invention the hinge is placed on the lower corner of the door with the bottom plate of the hinge resting on the surface of the floor. The checking device is placed on the upper corner of the door, pivoting to the upper jamb, the check and hinge being carefully designed and constructed to work conjunctively with each other. When the door is opened and pushed back slightly past right angles it remains open, but when released from this it immediately begins to slowly close, doing away entirely with the danger and accidents which so often happen on account of the door coming back with great force. The whole action is noiseless.

### BETTER BUILDING.

There are many other merits in fireproof construction besides the paramount one implied by its name. Better building is one of them. Fifty years ago only large, important edifices were well built, while the small house was a flimsy affair, its fragility apparent from the exterior. To-day the small house, if fireproof, is as well built as any large municipal monument, for fireproof material permits of only one method and that the best. Compared with other materials it is more permanent, more sanitary, more temperature-proof, more "bug-proof." To secure all these advantages costs more money, just how much more depending on locality and on the efficiency of the labor employed—whether or not the workmen are familiar with the material. A comparison between two recently completed small houses of the same size, one being wood and the other hollow block, remarks "The House Beautiful," showed the latter to have averaged thirty-three cents per square foot of exterior wall area, and the former twenty-four. But it must be remembered that the frame house must be lathed inside at additional expense to receive its finish of plaster, while with terra cotta no lathing is needed; another consideration is that the cost of maintenance in frame construction is decidedly greater.

So much for the comparison between wood and stone, on the one hand, and fireproof material on the other; but when it is a question

of comparing the two great divisions of the latter, there is an ancient dispute between terra cotta blocks and concrete. Each claims superiority and certainly each has undeniable advantages. Owing to the air space in hollow blocks, a wall built of them is almost impermeable to moisture, heat, and cold. They may be laid with the voids either vertical or horizontal and these voids used as conduits for electric wiring and pipes, or for steel rods where extra strength is required; likewise by filling them vertically with concrete a very strong pier is formed. But for work below grade ordinary terra cotta blocks are poor and should give way to the more impervious vitrified or salt-glazed tile, or moisture. For floors in so-called fireproof houses wood is still the material because of its comparative cheapness, but in strictly fireproof buildings a concrete floor is preferable to terra cotta because, when reinforced by rods or wire mesh it can be made to span a greater area with less use of steel beams. So, as stated, each material has well defined advantages for certain uses and there is every indication that these former rivals will soon peacefully take their place side by side in the same structure, and the fact hidden under exterior and interior plaster.

### RUSH METHODS AGAIN.

After reading our recent editorial deploring haste in house building, comments "The House Beautiful," a sculptor who collaborates with architects on civic and semi-civic buildings tells a tragic tale of the way he is hurried in his share of the work. His part in the decoration of the edifice will be pointed out from the start to those in charge—the groups flanking the entrance, or the frieze under the cornice, or the splendid candelabra in the foyer, or whatever accessory the architect may feel the need of in his scheme—sketches for the sculpture will be submitted and the building committee will consider them and then put them aside for further consideration—which further consideration goes on indefinitely, unless, as happens all too seldom, the architect has a free hand. Finally the sculptor gets an advance partial payment with word to "go ahead" and to "finish in four months"—about the same phraseology that would be used in ordering goods from a mill. Small chance has he then to study his work in its relation to the building—to have it look other than a patch hastily applied to a bare spot. He has four months to produce a work of art, when they might as well have given him a whole year. One of this gentleman's recent commissions was a large panel for a club, the panel to include, besides a scene in bas-relief and much lettering, the portraits of the twenty-five charter members. Several sketches embodying these requirements were made and the members came to look at them and went away "to think them over." Exactly two months before the particular anniversary on which the tablet was to be unveiled the artist was officially ordered to proceed with the work. In spite of these exasperating circumstances,



he has made a great success of it; and although panels or pictures or any other concrete manifestation of the artistic sense are good or bad per se, and irrespective of whether they were executed in one year or twenty, by daylight or by candle light, yet, looking on this excellent piece of work it would be only fair to the author to affix an inscription stating that it was made in two months, just

as the guide in the Riccardi Palace whispers in awed tones that Benozzo Gozzoli's wonderful fresco was painted by candle light. To have given an artist some sixty days to model twenty-five life size portraits and all the rest that went to make up the composition was to not give him fair play. Such things would not happen if we curbed our mania for rush methods, at least in art.

## Recent Trade Literature

"What Are You Doing at 6 A. M.?" is the title of a mailing card issued by the Vapor-Vacuum Heating Company, Philadelphia.

\* \* \*

McCrum-Howell Company, New York, has lately issued a catalogue devoted to "Richmond" boilers and radiators. The book is profusely illustrated, showing the "Richmond" round and sectional boilers. A portion of the book is also devoted to "Model" boilers, "Richmond" vacuum cleaning machines and the "Richmond" concealed tansom lift.

\* \* \*

Moline System of Vacuum Vapor Heating is illustrated and described in a catalogue issued by the Moline Vacuum Vapor Heating Company, Moline, Ill.

\* \* \*

"Automatic Comfort" is the title of a booklet issued by the Crandon Manufacturing Company, Bellows Falls, Vt., which is devoted to illustrating and describing the "Crandon" automatic damper regulator.

\* \* \*

Leader Iron Works, Decatur, Ill., has issued a folder to the architects over the country in advance of its Catalogue "E," showing complete Leader Water Systems. This little folder, no doubt, will interest the architect sufficiently to cause him to look over the catalogue and file it and use it in specifying these plants.

\* \* \*

Trenton Potteries Company, Trenton, N. J., has issued a handsomely bound 1912 note book, containing a calendar and price list of goods manufactured by the company.

\* \* \*

"Shop Heating," a treatise containing practical suggestions, by F. R. Still, has lately been issued by the American Blower Company, Detroit, Mich. The book is divided into two sections. Section I contains a number of practical suggestions on the subject, while Section II is devoted to illustrating some typical heating and ventilating systems designed and installed by the American Blower Company.

\* \* \*

"Plunge Baths—Interior Finish," a handsome catalogue covering the general product of the company, and a large folder illustrated land, Me., with capital stock of \$200,000, has

with cuts of important buildings in which their brick has been used, are three clever bits of advertising put out by the American Enamelled Brick and Tile Company, New York, whose Philadelphia agent is Ralph F. Channel, 313 Hale Building.

\* \* \*

E. F. Schlichter Company, Norristown, Pa., Philadelphia office, Fuller Building, has a most attractive and instructive booklet on the subject of Silo Construction that should be in the hands of every architect, farmer and suburban builder in the United States. It is copiously illustrated and fully covers the building of silos.

\* \* \*

Hill-Canton Sanitary Dryer is illustrated and described in a catalogue issued by the Hill-Canton Dryer Company, Canton, O.

## FIREPROOFING.

The report of the fifteenth annual meeting of the National Fire Protection Association ought to be read by every intelligent person in the country. Its president, Mr. W. H. Merrell, in his address called attention to the appalling number of fires during the life of the organization—fires that in the last fifteen years have cost twenty thousand lives and over two thousand million dollars in property. These figures might be much lower if fireproof construction had been better understood and more generally adopted. We have become the greatest fire fighters in the world and our equipment has reached extraordinary perfection, but in many European countries the art of fire fighting is almost unknown for the very enviable reason that fires are reduced to a minimum by the excellent methods of house construction. Such countries, we would say, have the greater glory. In the important work of popularizing fireproofness in America the architect is in a position to wield a great influence, for ordinarily it is he who determines the character of the construction and, according to the money at his disposal, fixes on the extent of fireproofing. This is a responsibility which he cannot assume unless he avails himself of all possible knowledge on the subject of terra cotta and concrete houses.—"House Beautiful."

## Trade News and Gossip

Cullings from the Week's News, with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

\*\*Standard Sanitary Manufacturing Company, which has its central offices in the Bessemer Building, Pittsburgh, recently decided to issue the stock still held in its treasury, thereby issuing the full amount of its authorized capital. This amount was \$341,000 of the preferred stock, which is a 7 per cent. non-cumulative issue. Accordingly some time ago the officers began to place this in a quiet way and now over \$270,000 of the \$341,000 has been placed with former stockholders and others at par and interest. Most of the remainder of the issue has been subscribed for. That this stock has been so well taken when business conditions are considered, as well as the reports that have been in the newspapers regarding the so-called "bath tub trust," illustrates the strong position of this leading Pittsburgh company, which in no way can be termed a trust. The issuing of this treasury stock gives the Standard Sanitary Manufacturing Company a full paid capital of \$7,500,000, of which \$2,500,000 is preferred and \$5,000,000 common.

\*\*The Consolidated Broken Stone and Gravel Company, a new corporation at Port-

and crushed stone business of the Munjoy Gravel Company, together with all its real estate and equipment, also the stone crushing plant of the New England Concrete Company.

\*\*Do not be fooled by the word "fireproof," says "The Indicator." Until we write on slabs of steel, sit on chairs of asbestos, wear shoes of concrete and trousers of tin, absolute fireproofing is impossible. A powder mill might be fireproof in construction, yet people are not in the habit of making it a smoking room. When you hear "fireproof construction" remember that many things are only skin deep—the contents count.

\*\*Egyptian Cement Products Company, incorporated at Williamsport, Pa., with capital stock of \$100,000, by W. U. Missina, E. F. Kellie and J. E. Cupp, Williamsport.

\*\*To fill the vacancy left by the death of Mr. Hartwell, Mr. H. B. Cross has been made Secretary of the General Fire Extinguisher Company, and Mr. F. E. Maynard has been made manager of the Providence plant.

\*\*Rome burned, say "The Indicator."





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PHILADELPHIA, PA.

Easily cared for **Cost less**

Nero applauded and wrote a poem. Nero was insane. The fire loss in the United States would build many Romes. Nobody does anything, not even a poem. What is the United States, insane or insured?

\*\*The elimination of the common drinking cup in public places is, we are glad to report, progressing steadily. In February, 1911, five States, Kansas, Massachusetts, Mississippi, Oklahoma and Wisconsin, had passed laws abolishing its use. During the year six other States have adopted prohibitive measures in regard to this matter. These States are Colorado, Idaho, Louisiana, New Hampshire, Ohio and Vermont. The cities of Chicago and New York have also passed ordinances relative to the same subject.

\*\*The New York Chapter of the American Society of Heating and Ventilating Engineers is to be congratulated on its appointment of a committee to formulate recommendations to be made by the chapter in reference to the ventilation of moving picture show places. When it is considered that there are about 600 of these places in the city of New York alone, nearly all of which are inadequately ventilated, the advisability of such a step cannot be questioned.

\*\*Over 100 wholesale and retail lumber dealers of Allegheny County attended an informal dinner and social meeting at the Hotel Henry. Addresses were made and merriment was a feature of the gathering. The dinner is a new idea of the lumber trade. The Pittsburgh Wholesale Lumber Dealers' Association acted as host, and President W. H. Schuette, of the association, was toastmaster. W. G. Criste, Secretary, was master of ceremonies. Following the dinner E. V. Babcock, of the City Council, and a lumber manufacturer, addressed the meeting on the

subject of the lumber dealers and the civic duties and responsibilities of that trade. D. L. Gillespie, another extensive lumber dealer, talked on the influence of the completed Panama Canal on the lumber industry of the East and West, while Edward Eiler talked along the line of the social relations of the lumber trade.

\*\*Bald Mountain Portland Cement Company, Rome, Ga., with capital stock of \$1,000,000, is having plans prepared for construction of their plant near Aragon, Ga. which will have daily capacity of 2,000 barrels. Crushing machinery purchased; contracts to be awarded for other necessary machinery and equipment soon. J. L. Bass, Rome, President.

\*\*There are more elaborate electrical displays in New York than in any other city. Europe has almost nothing whatever to say on the subject. There are a few of the smaller displays in Paris and Berlin, one or two in London, but none of these presents the riot of imagination and light that characterizes Broadway.

\*\*George B. Ford, architect, in an article on the importance of protecting residence districts from industrial invasion says that cities all over the world are beginning to realize that life in these centers has come to a point where radical steps must be taken to prevent the cities from strangling themselves.

\*\*The United States Steel Corporation is said to be booking new orders at the rate of 50,000 tons a day or 15,000,000 tons a year (a figure far in excess of capacity), while the independents are sharing proportionately in the new business offered. The orders are coming largely from railways and from users of structural iron and steel, a fact which

augurs a general industrial revival as well as renewed building activity.

\*\*It was announced at the annual meeting of St. John's Cathedral trustees on Thursday that the entire \$300,000 needed for the new synod hall has been pledged and that work will be begun upon it immediately, at the corner of Amsterdam avenue and Cathedral Parkway with the main entrance on the Parkway. The giver of the larger part of the \$300,000 for the synod hall, it is said, was J. Pierpont Morgan. Among the other structures to be started as soon as plans for them are ready are the choir school, to cost \$150,000; the Potter chapel, \$150,000; the Huntington chapel, \$150,000; the George Reeves memorial chapel, \$100,000, and the Bishop's house, \$100,000.

\*\*With a force of but fifteen extra men the new Fire Prevention Bureau of the Fire Department of New York has not been able as yet to make much progress, but as soon as the Board of Estimate ratifies a plan of organization, including a schedule of positions and salaries, which Commissioner Johnson has submitted, the new bureau will be put on a permanent footing. An appropriation of \$200,000, for the year 1912, which the Board of Estimate has made in a lump sum, will then be available. No appropriation was made for use during the year 1911. The Hoey law went into effect on October 19. Under its mandatory provisions, Commissioner Johnson at once consolidated three existing bureaus, namely, the Bureau of Combustibles, the Bureau of Fire Appliances and the Fire Marshal's Bureau, and assigned fifteen extra men from the uniformed force to the new Fire Prevention Bureau temporarily so formed. When the new plan of organization is approved 135 new men will be regularly appointed to the new bureau permanently.

\*\*G. F. Royce, secretary of the United States Lumber Company and J. J. Newman Lumber Company, headquarters Scranton, Pa., with large mills and timber holdings in Mississippi, spent several days in New York City during the holidays, visiting his old home at Passaic, N. J., and renewing acquaintances.

\*\*J. A. Cheyne, president of the Pennsylvania Door and Sash Company, headquarters Pittsburgh, Pa., and storage warehouse in that city and Philadelphia, was a recent visitor to New York City.

\*\*A. S. Olmsted, of the Floyd-Olmsted Company, headquarters Philadelphia, and branch sales office in New York City, has sold out his interests in that company and will join the Barker-Bond Company, wholesale yellow pine, 29 Broadway, New York. The Barker-Bond Company will have concurrently opened a hardwood and white pine department under the management of Mr. Olmsted. Mr. Olmsted is well known in the trade. He was previously for seven years connected with the Barker & Co., Inc., and four years with the Atlantic Coast Lumber Corporation.

#### Self-Evident.

Some people quit advertising during the dull season. No wonder it's the dull season. —"Dealers' Building Material Record."



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"The 'Guide' gives us an idea what is going on in our city and vicinity in the way of building and architectural work. It also gives us an idea as to the character of work which the various fellow members of the profession are doing. We commend the printing of the doings of the Philadelphia Chapter of the American Institute of Architects. It is also of interest to read of new building devices, inventions or materials of interest to the architectural world."

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**"Heartily Endorses the Work of 'The Guide.'"**

"We would like to heartily endorse the work of 'The Guide.' Under the present management your paper has taken great strides forward and seems to be in a class of its own among those publishing building news. Your magazine is an up-to-date, wide-awake, instructive and interesting publication and one which it is always a pleasure to look through."

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**"Have Filled a Niche in the Wants of Mechanics, Builders, Clients and Architects."**

"I feel that you have filled a niche in the wants of mechanics, builders, clients and architects, and you have my support. With sincere wishes for your success."

C. E. SCHERMERHORN.

430 Walnut street, Philadelphia.

## Architectural Notes.

The Indianapolis Architectural Club has been recently organized and is composed of about forty draftsmen and others interested in architecture and the allied arts. Architects, individually and as a body, are taking a deep interest in the club and its success should be permanent. The Secretary of the club, Mr. S. C. Duvall, would be pleased to communicate with similar organizations.

\* \* \*

The State Capitol Commission has appointed L. Bayard Pendleton, of St. Louis, advising architect to serve until the permanent architect to design the new \$3,000,000 Capitol has been selected.

\* \* \*

New Jersey Chapter of the American Institute of Architects, meeting at Newark, will make town-planning a special subject of discussion in the program mapped out for the

coming year. The officers of New Jersey Chapter are: Fred W. Wentworth, President; Herman Kreidler, First Vice President; Henry Baechlin, Second Vice President; John F. Capen, Treasurer, and Hugh Roberts, Secretary.

\* \* \*

The Duluth Architectural Club has arranged for a series of lectures by specialists in various lines of construction during 1912. Two addresses, covering the technical side of ventilation and direct radiation, by F. Herlan and H. E. Gerrish, are among those down for early dates.

\* \* \*

Press dispatches credit Governor Dix, of New York, with favoring the erection of a state temple of justice, a state militia building, a new executive mansion and a state arsenal at Albany.

(Continued on page 52.)



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### PRESIDENT POND'S ADDRESS. FORTY-FIFTH CONVENTION AMERICAN INSTITUTE OF ARCHITECTS.

The address of Mr. Irving K. Pond, retiring President, on the occasion of the recent convention of the American Institute of Architects, at Washington, was precisely what might have been expected from the master mind which gave to American architecture the same author's brilliant address on "Art and Individuality." Speaking of the status of the American Institute, Mr. Pond said: "The American Institute of Architects stands as guardian of the interests of the client and the community quite as much as the welfare of the individual practitioner and the profession generally. Its codes are to protect the client as well as the architect. Its fundamental ethical principle is based upon the idea of justice and fair dealing as between man and man, be they architect and client or architect and architect;—upon a recognition of individual right and individual duties. If schedules are established it is not that the architect may have a lever with which to pry loose undeserved money from the client—but that both client and architect may have an authoritative basis on which to compute values. If codes of ethics are formulated it is that the unthinking and morally untutored may know what always instinctively has guided the actions of unselfish and fair-minded men—and themselves be guided."

Discussing the necessity for preserving unimpaired the high repute of the Institute as a body, Mr. Pond observed: "Another principle on which the Institute firmly rests is that in its membership shall be included only men of the fullest moral and intellectual stature, men who will not betray their client, men who will not try to deceive themselves, men who hold the welfare of the community paramount to their own or their client's individual interest, men who know the value of beauty and decency as a communal asset and are willing to make sacrifices for the ideal, men who know that the relationship between personal morality and the power to create ideal beauty in the individual is very intimate, men who know that the capacity to appreciate ideal beauty rests upon a groundwork of broad culture and deep sentiment rather than upon commercial success. The defection from its ranks of men wanting the above qualities cannot permanently or for long, if at all, cripple the work of the Institute, even though in popular estimation they hold an exalted place in the profession. The strength of the American Institute of Architects lies, not in the number, but in the moral and artistic calibre of its members." Referring to the ridiculous charge that the Institute is a trust, Mr. Pond remarked:

"Some little time since the American Institute of Architects was jocularly denominated a 'gigantic trust.' In some quarters this 'soft impeachment' was regarded seriously—so seriously indeed that your President was asked to refute the charge in print.

Certain it is that the American Institute of Architects is not a monopoly, for it does not contain all the morally-minded and technically skilled members of the profession. Indeed, there are many outsiders who consider themselves ethically and aesthetically superior to any individual and collective exhibit the Institute can make. The aesthetic phases may be ignored now, but how do they square the ethical? Their position seems to be that of one who rises early, surreptitiously reads his neighbor's newspaper and returns it properly folded to the door stoop, enjoying the fruits of the neighbor's toil without sharing the cost. Less than one-fifth of the number of so-called practicing architects of the United States are in the Institute, and this little one-fifth asks to be permitted to turn over to the big four-fifths the work of any client who does not desire to play fair. At the same time the Institute in no way presumes to interfere with the rights of individual contract on the part of one of its members. This attitude hardly smacks of monopoly or of trade unionism. The Institute is not unfair when it suggests—yes, insists—that at least the minimum rate prevail in competitions. Ignoring the great economic waste involved in competitions for which the client never can compensate, the minimum rate is none too large for the service of men of Institute calibre, whether in the Institute or not, and it is fully within the province of the Institute as an altruistic body to aid a man in the establishment of his rights and in the accomplishment of his duties. A man may have a legal right to sell himself for less than the value his Creator intended should be placed upon him—but he has no moral right, and no body of morally-minded men is going to organize to aid and abet him in his self-prostitution. The Institute has saved many a man from himself."

### CHIEF CLARK AND THE OPERATIVE BUILDING ELEMENT.

Chief Clark, of the Philadelphia Bureau of Building Inspection, issued, under date of December 12, the following ruling:

Mr. Manton E. Hibbs, Inspector-Engineer.

Dear Sir: Hereafter you will require Jersey gravel to be used in the mortar in all stone foundation work. This includes dwellings and all other buildings. The only exceptions to this rule will be when a substitute material has been accepted by this bureau after a sample has been submitted and tested.

Any neglect on the part of the inspector to comply with this order will be considered cause for immediate dismissal.

In cold or freezing weather it will be necessary to require the use of a sufficient quantity of cement in lime mortar, in all buildings in which lime mortar is permissible, to provide against freezing.

Yours truly,

EDWIN CLARK, Chief.

Instead of recognizing and applauding the



fairness of this ruling as a necessary expedient to insure better building, that wing of the operative building element whose specialty is gingerbread construction has set up a protest, the sheer noisiness of which will go far to win popular as well as departmental support for Chief Clark's stand in the matter.

The crux of this protest is that to use Jersey gravel in preference to other gravels "would entail a large financial loss," since their contracts "were made before the new regulations were issued." If heed were to be given to a protest based upon any such argument as this, better building regulations would be forever impossible, inasmuch as this particular plea is one that could be brought forward at any time and in answer to most any betterment Chief Clark might at any time seek to provide.

As a matter of fact, the great masses of the people who are interested in seeing operative building placed upon a business rather than a piratical basis will care little or nothing about the "losses" entailed upon "bonus" builders by this or any similar regulation designed to bring about an improvement in the wearing qualities of houses built upon the operative plan. What the public wants to see, and the better element in the building trade is with the public in this demand, is building in which the work is what it is reputed to be, not, as has too often been the case in the past, a clever all-round tour de force in artistic "scamping." "The Guide" not only strongly approves the stand taken by Chief Clark in this particular item, with the hope that Director Porter will unflinchingly support his subordinate in any controversy arising thereunder, but it ventures to express the conviction that Chief Clark will go further and so remodel and enforce the regulations governing operative work generally as to make a certain class of buildings, all too common in some sections, absolutely impossible of erection.

The truth of the matter is that the "scamp" builder has been permitted to go his way so long unmolested by intelligent official regulation that he has built about himself and his work a fancied immunity to everything savoring of interference. The sooner he is made to understand that this immunity is wholly fanciful, that in common with other malefactors he is amenable to the law, and that the public and the trade generally is in possession of certain rights which he is called upon to respect, the better for everyone concerned. Let Chief Clark continue the good work upon which he has set out. The field is one virgin in opportunities to an official of the right stamp.

Putting it as a plain business proposition, don't you think the advertisement of your firm ought to appear in the home trade paper? Don't you think it would pay you to be represented in the Reference Directory on the inside back cover?

## PHILADELPHIA CHAPTER'S "OFFICIAL BULLETIN" INNOVATION COMMENDED.

From an article on the annual meeting of Philadelphia Chapter, A. I. A., in the pages of our valued contemporary, "The Ohio Architect, Engineer and Builder," we are pleased to note the following paragraph commendatory of the action of Philadelphia Chapter in designating "The Guide" the official medium for its communications to the profession:

"Probably the most important work announced by the Chapter and one which should be recommended to the Cleveland Chapter as well as all others in the country, was the consummation of an arrangement whereby regular bulletins to members of the chapter are issued through a recognized architectural publication.

"By this means the minutes of the meetings are placed in the hands of all members, and notices of intended competitions, circular letters from Institute committees, and other matters of an educational character and of general usefulness are given the fullest circulation, which would often be impossible of accomplishment otherwise. Copies of this publication containing these bulletins are sent weekly to the Secretaries of all Chapters in the country and to the Secretary of the Institute."

"The Guide" is pleased at this opportunity to announce that it will be glad to be notified of any other architectural organizations the Secretaries of which would like to receive copies of these Bulletin numbers of "The Guide" from time to time. Inasmuch as Philadelphia Chapter is recognized as a leader in every phase of professional enterprise these bulletins cannot fail to serve both as a beacon and as a stimulus to less progressive architectural bodies. Let us have the name and address of your Secretary.

## BUILDING ACTIVITY IN PHILADELPHIA DURING 1911.

The report of the Philadelphia Bureau of Building Inspection for 1911—statistically tabulated, covering the past six months, elsewhere in "The Guide,"—discloses conditions unusually prosperous. Contrary to expectations, the total of authorized expenditures exceed those of 1910, in which year the figures were supposed to be exceptionally high. Up to the close of business on December 30th there had been issued for the year 8,870 permits, representing 16,215 operations at a total cost of \$40,030,985. The 1910 figures were 8,592 permits, 16,383 operations and \$37,866,565. The increase over 1910 in cost of work authorized amounts to \$2,164,420. More than half of the total expenditures for the year are represented in the cost of dwelling houses, of which 8,629 were begun at a cost of \$20,571,450. The figures for 1910 showed an expenditure of \$21,527,440 for the construction of 9,143 dwellings, of which 90

per cent. were two-story ones.

Some of the newspapers take the view that this class of construction has been overdone, basing their opinion upon the growing reluctance of the public to buy poorly built homes at exorbitant prices. "The Guide" sees no reason to share in this view. While there may be and probably will be fewer dwelling houses erected during 1912, there will be no scarcity of purchasers for houses properly constructed and sold on a reasonable basis of profit.

Featured in the activity of 1911 as a building year is the growing demand instanced by it for "flat" or apartment houses and garage accommodations. Forty flat houses were erected during the year at a cost of \$1,048,200. Two hundred and fifteen garages were constructed at a cost of \$744,460.

These items are likely to show a material increase during the year now opening, the demand for apartments and garages showing every evidence of increasing rather than diminishing within the next twelve months. The tables for the half year, published elsewhere in this number, will be found of unusual interest, showing, as they do, the zones, sub-divisions and minor ramifications of the activities of the year.

## ADVERTISING TO GET BUSINESS AND ADVERTISING TO HOLD IT.

The advertising department of a trade publication is privileged to hear some of the quaintest excuses for not advertising that ingenuity is able to devise. "The Guide's" advertising man was given one, the other day, however, that is such a gem in its way that we are tempted to make it the subject of a word or two of comment. "We don't care to take up the matter of advertising in your section of the country," writes the head of a big specialty concern, "because our business there is flourishing. Pennsylvania is one of our best states. We are actually doing as much business in your section as we are able to handle."

Isn't this rich?

The possibility that some other concern in the same field—patent store front construction—may become a regular advertiser in "The Guide" and snoop some of this business is, of course, too wildly improbable to be taken into consideration. Equally absurd is it to suppose that architects, failing to find the weekly reminder that an "ad" in "The Guide" carries to their offices, might lose sight of this particular brand of store front and thus unwittingly be guilty of specifying some other.

The moral deducible is: If your business is good—don't advertise!

"The Guide" is curious to know what some of the Princes of Advertising, say, like John Wanamaker, or the Washburn-Crosby concern, or the Spearmint Gum people, would say to an argument of this kind.



## Looking for Houses

If you are not renewing the lease of your residence for the year 1912, or if you are thinking of purchasing a home, do not take the trouble to look at any house offered to you unless it is wired and equipped for the use of Electricity. It will be but a very short time now before there will no longer be a builder in the city who will offer to sell or rent unwired houses to the public.

For rates and estimates consult



Advertising, in the opinion of men best qualified to discuss it, is a whole lot like catching a husband. A husband, these days, as any sensible girl of the period will tell you, is a pretty difficult article to trap, but trapping one is the simplest child's play compared to holding one after you've got him. The way to get business is to advertise. The way to hold it is to keep right on advertising. The man who argues the contrary will live to reverse himself if he lives long enough to meet the right kind of competition.

### ARCHITECTURAL NOTES.

(Continued from page 49.)

The winning designs in the competition held recently, for exhibition structures at the coming clay products show, under the auspices of "Brick and Clay Record," of Chicago, were those submitted by: First prize, \$100, Thomas B. Temple, 25 East Twenty-sixth street, New York City, N. Y.; second prize, \$50, Alexander S. Robertson, care of D. H. Burnham & Co., Railway Exchange Building, Chicago, Ill.; third prize, \$25, Robert Inglis, 1108 Knights of Pythias Building, Indianapolis, Ind.

\* \* \*

The committee appointed by the Governor to erect a monument to the memory of Robert Morris, the financier of the Revolution, met and completed its organization by the election of the following officers: President, H. M. Edwards, Judge of Lackawanna County; Treasurer, William J. Jones, Pittsburgh; Secretary, John W. Ford, former Coroner of Philadelphia. The meeting was also attended by L. T. McFadden, Canton, Pa., representing the State Bankers' Association; Roland L. Taylor, of the State Bankers' Association, and Leslie W. Miller, of the Philadelphia Art

Jury. The fund for the erection of the memorial now reaches \$30,000. Of this amount \$20,000 has been appropriated by the State, and the remaining \$10,000 consists of funds subscribed by the State Bankers' Association. The monument will be erected in Philadelphia, and the site will be determined by a sub-committee consisting of Messrs. Ford, Taylor and Miller. It is believed that they will favor some point on the new Parkway.

\* \* \*

For the third time in its history the American Institute of Architects has seen fit to bestow its gold medal, one of the greatest honors that can be given an American architect. The recipient is George B. Post, who has been a member of the association in question for half a century, during which time he has done much to advance the cause of architecture in this country, his particular efforts being directed to bringing about a closer association of architect, sculptor and painter in the construction and ornamentation of modern buildings. Mr. Post was one of the three architects who designed the Chicago Exposition. He it was who designed the magnificent residence of Cornelius Vanderbilt on Fifth avenue, New York; the Wisconsin State Capitol, the buildings and grouping of the College of the City of New York, to mention only a few of his important works. The two other men who have been honored by the bestowal of this gold medal are Sir Ashton Webb, the English architect, and Charles F. McKim, of New York.

### BLACK LIST FOR BAD BUILDERS.

(Continued from page 45.)

Other arguments are that high buildings obstruct light and air, and are thereby more or less prejudicial to the public welfare, and that they are a serious menace in case of fire by endangering the lives of their occupants and rendering it difficult to fight fire in adjoining buildings. The question of limiting their height is one, however, of wide scope, and is sure to provoke strong opposition should it ever take definite shape in any action of Councils.

\*\*The purchase of land in East Chicago by the Baldwin Locomotive Works, of Philadelphia, on which to erect the Western plant of the big locomotive concern, has started a big building boom in that suburb and across the line in Indiana, adjoining Gary. It is expected that within a year 6,000 houses will be completed to house 20,000 or more persons, most of whom will settle here as employes of the Baldwin Company. Real estate transactions amounting to \$200,000 were made the past week as soon as the locomotive deal was consummated. Philadelphia capital will practically own and control this new industrial town. Besides the new Baldwin plant, the gas and electric company is owned and operated by the United Gas Improvement Company and C. H. Geist, of Philadelphia. The latter also owns the water plant.

### SPACE FOR A SMILE.

UP TO DATE.

"That story of the building of the Tower of Babel should be modernized."

"But how would you account for the confusion of tongues?"

"Why, I suppose they had the tower pretty nearly up and then somebody yelled 'Graft!' and everybody accused everybody else and the job was held up!"—Cleveland Plain Dealer.

\* \* \*

### TESTING THE SAW.

Mr. A—, who was planning to build an outdoor sleeping porch at the back of his house, had an expensive new saw sent home from a hardware store. He left his office early the next afternoon, with the intention of doing the work himself; he donned a pair of overalls and went at it in good spirits. An hour or so later he came tramping angrily into the house, his face dark with exasperation, and flung himself down in disgust.

"That new saw I bought isn't worth five cents," he stormed. "Why, the thing wouldn't cut butter!"

His small son Tommy looked up in wide-eyed surprise.

"Oh, yes, it would, daddy," he said, earnestly; "why, Ted and I sawed a whole brick in two with it just this morning!"—Harper's Magazine.

\* \* \*

### HIS PART.

He—"So young March and his father are carrying on the business."

She—"Yes. The old man runs the business, while young March does the carrying on."—New York Globe.

\* \* \*

### EVERY-DAY FACTS AND FANCIES.

The most abused word in the English language is "guaranteed."

Your neighbor always has the best furnace—his house is never cold.

Not infrequently the manufacturing plant looks like the picture on the firm's stationery.—Judge, New York.

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Summary for week ending January 13th, 1912:

Number of transfers.....	530
Amount of transfers.....	\$1,635,402.17
Cash consideration.....	420,002.17
Mortgage consideration.....	1,215,400.00
Ground rent consideration.....	1,795.00
Which on a six per cent basis amounts to.....	29,916.68



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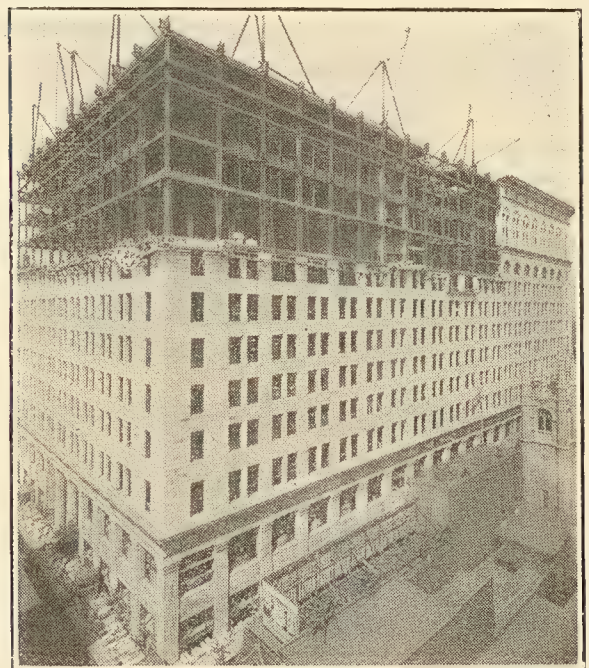
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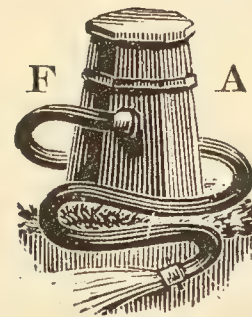
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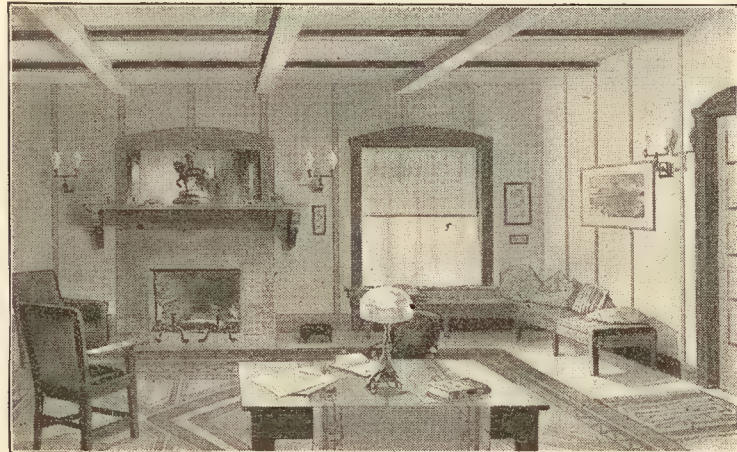
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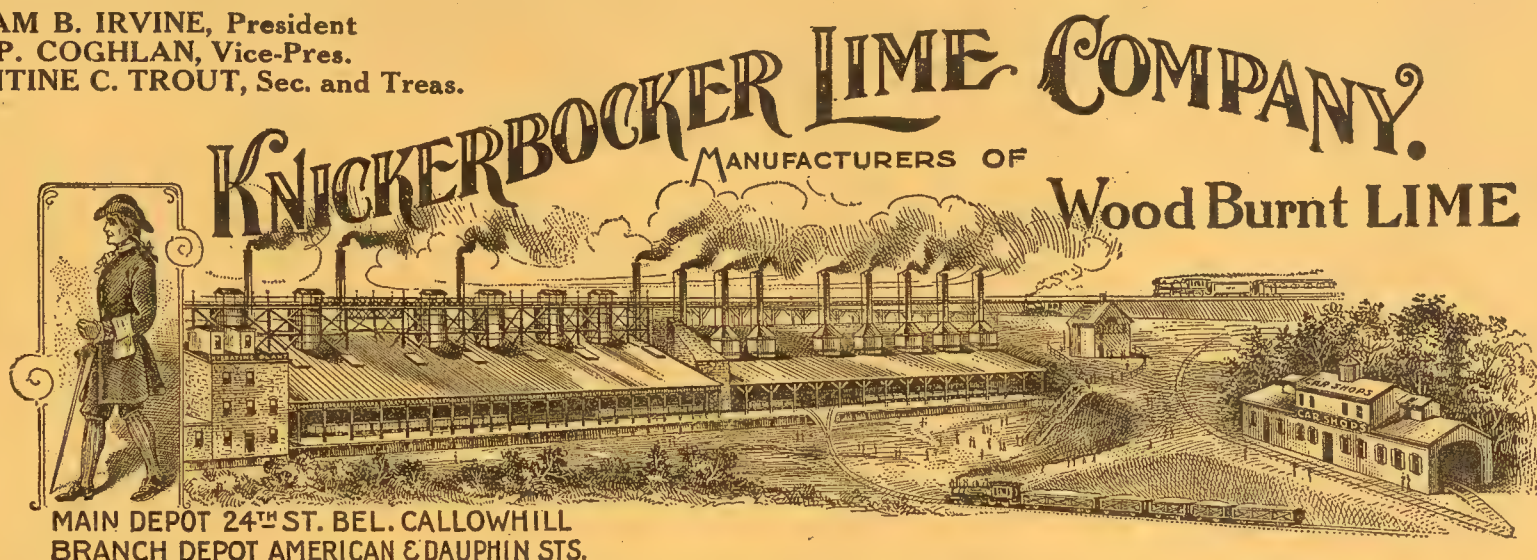
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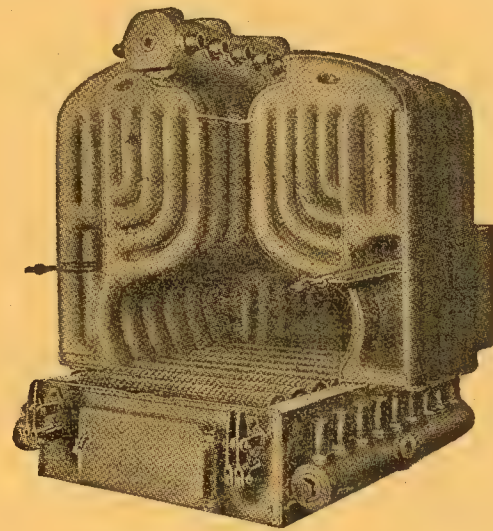
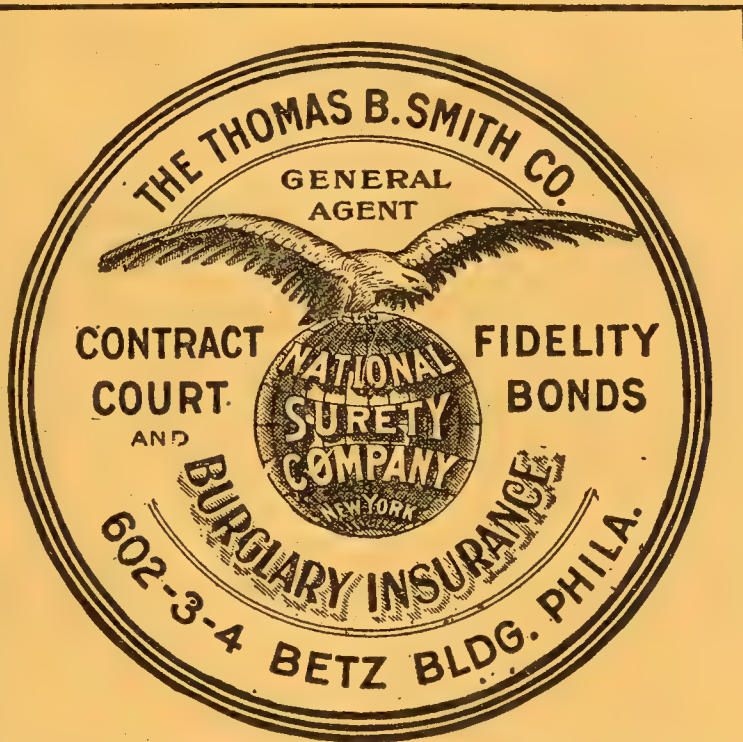
# THE PHILADELPHIA REAL ESTATE RECORD AND *Builders' Guide*

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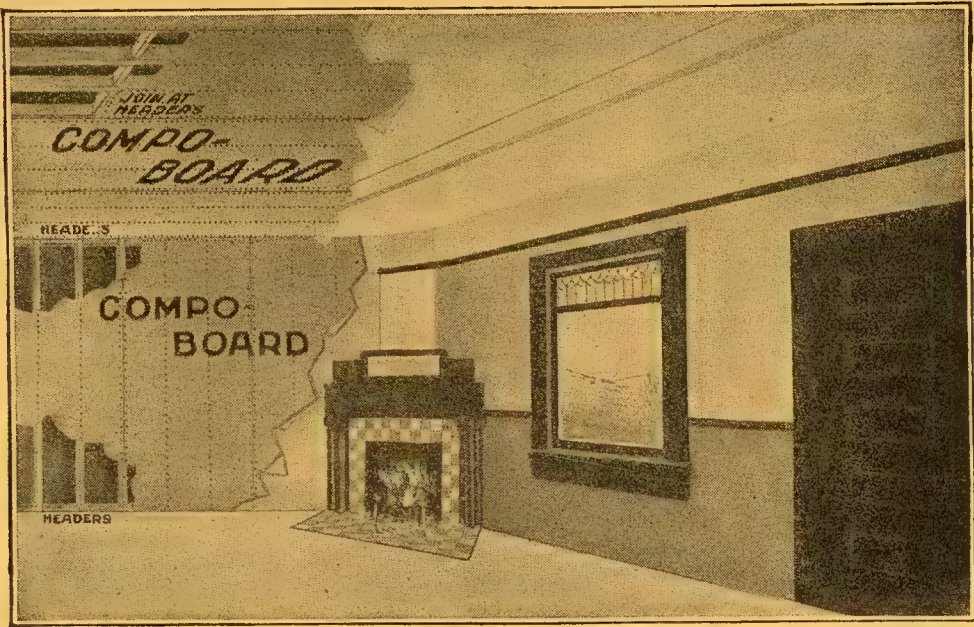
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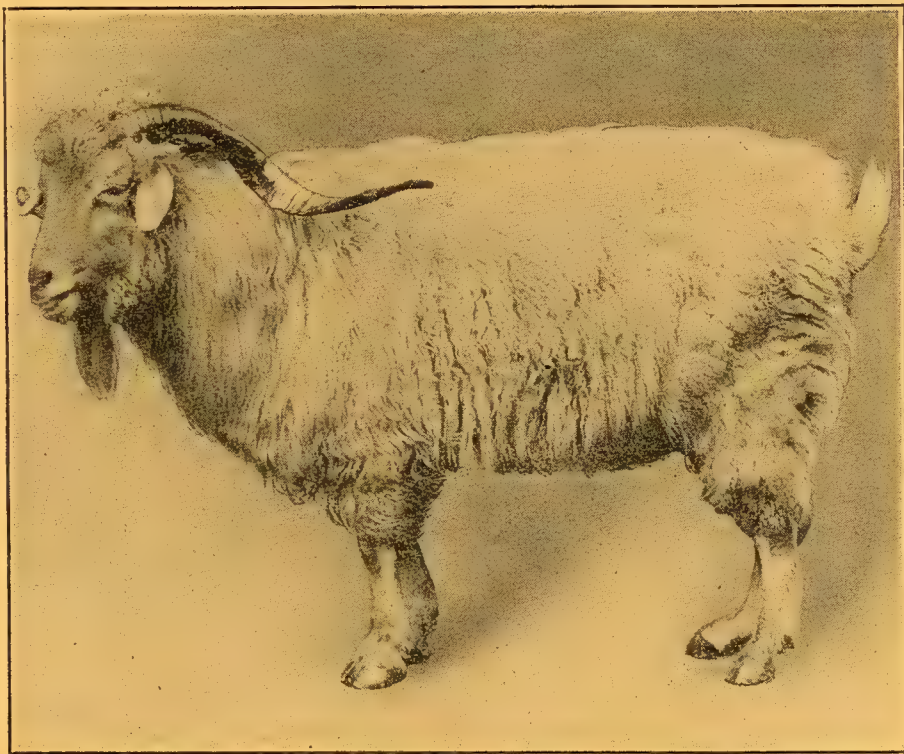
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# The Philadelphia Real Estate Record and BUILDERS' GUIDE

Containing Official Bulletin of the Master Builders' Exchange.

Vol. XXVII., No. 4.

PHILADELPHIA, WEDNESDAY, JANUARY 24, 1912.

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## Construction News

**New Operations; Architects and Owners; Cost Limit; Last Days of Filing Bids; Firms Figuring; Character of Material and Equipment Required; a Budget of Opportunities for Builders, Supply and Specialty Houses.**

**Residence**, Moorestown, N. J. Architects, Savery, Sheetz & Savery, Stephen Girard Building. Owner, George Abbott, 1823 Filbert street. Stone, two and one-half stories. Plans in progress.

**Residence**, Stone Harbor, N. J. Architect, H. L. Reinhold, Tenth and Sansom streets, Owners, South Jersey Realty Company, Real Estate Trust Building. Frame, two and one-half stories, 30x50 feet, shingle roof, electric light. Plans in progress.

**Residence**, Stone Harbor, N. J. Architect, H. L. Reinhold, Tenth and Sansom streets. Owner, George W. West, West Chester, Pa. Frame, two and one-half stories, 30x40 feet, shingle roof, electric light. Plans in progress.

**Office Building** (alt. and add.), 123 South Thirteenth street. Architect, H. L. Reinhold, Tenth and Sansom streets. Owner, Morris Realty Company, on premises. Brick, three stories, new granite front and interior alterations. Plans in progress.

**Residence**, Oak Lane avenue, Philadelphia. Architect, V. B. Lee, 6603 North Eleventh street. Owner, A. W. Fairley, 1609 North Seventeenth street. Brick, two and one-half stories, 50x56 feet, shingle roof, stucco, hot water heating. Has received bids.

**Garage**, Twenty-third and Chestnut streets. Architects, S. Roberts, George U. Rehfuß and F. A. Hays, 1524 Chestnut street. Owner, Merry Gibson, 123 South Eleventh street. Brick, two stories, 95x120 feet, slag roof, steam heating, electric lighting. Plans completed. Architects ready for bids.

**Store and Apartments Building**, Wilkesbarre, Pa. Architects, Pettebone & Ireland, Wilkesbarre, Pa. Owner, Dorrance Reynolds, Wilkesbarre, Pa. Brick and terra cotta, five stories, 45x150 feet, slate roof, electric lighting, steam heat. Architects have received bids.

**Sub-Station**, Bridgeport, Pa. Architects, Stone & Webster, 147 Milk street, Boston, Mass. Owners, Philadelphia and Western Railroad Company, Sixty-ninth and Market streets. Brick, one story, 40x40 feet, electric lighting, steam heating, slag roof. Owners have received bids.

**Library** (alt. and add.), Easton, Pa. Architects, Jarden, Kent & Hill, 3 West Twelfth street, N. Y. Owners, Easton Public Library

Association. Brick and stone, terra cotta, two stories, 56x36 feet, gray front and red hard brick, copper and slag roof, electric lighting, steam heating. Architects taking bids, due January 25th. J. E. & A. L. Pennock, Land Title Building, are figuring.

**Hall Building**, Camden, N. J. Architects, Heacock & Hokanson, Bailey Building. Owners, Free and Accepted Order of Masons, Camden, N. J. Brick, stone and terra cotta, 70x40 feet, two stories, slag roof, steam heating, electric lighting. Revised plans completed. Architects ready for bids.

**Factory Buildings**, 1, 2, 3, 4, Erie avenue and Sepviva street. Architect and builder, William Steele & Sons Company, 1600 Arch street. Owners, Isaac A. Sheppard Company, on premises. Brick and concrete, one, two and three stories, gray kitting and hard red face brick, slag roof, electric light, steam heat. Architects and builders taking sub-bids.

**Hotel**, Tenth and Locust, \$300,000. Architects, Duhring, Okie & Zeighler, Bailey Building. Owners, Inasmuch Mission, care of Geo. A. Tyler, 1019 Locust street. Brick, concrete, fireproof throughout twelve stories, 84x90 feet, slag roof, electric lighting, steam heat. Plans in progress. Architects will be ready for bids in about ten days.

**Power House**, Seventieth and Woodland avenue. Architects, Harris & Richards, Drexel Building. Owners, St. Vincent's Home, Seventieth and Woodland avenue. Brick, one and two stories, 60x34 feet, wing, 20x34 feet, slag roof, electric lighting. Architects have received bids.

**Bungalows** (6), Perkiomen, Pa. Architect, H. J. Wetherill, 328 Chestnut street. Owner, J. L. Baum, Perkiomen, Pa. Stone and frame, one and one-half stories, 30x60 feet and 20x40 feet, shingle roof, electric lighting. Plans about completed. Owner to take bids.

**Rectory** (alt. and add.), Thirty-ninth and Locust streets. Architect, H. J. Wetherill, 328 Chestnut street. Owners, St. Mary's P. E. Church, Thirty-ninth and Locust streets. Brick and stone, three stories. Plans in progress.

**Store and Apartments** (alt. and add.), Sixty-first and Market streets. Architect, H. E. DeHoff, 48 South Sixty-first street. Owner, J. F. Ivers, on premises. Brick, three

stories, hard red brick, tile roof and slag, electric lighting, steam heating. Architect has received bids.

**Office Building**, Columbia, S. C. Architect, Julius Harder, 31 West Thirty-first street, New York City. Owners, Palmetto Construction Company, Columbia, S. C. Brick, light gray and hard red, steel and concrete, fifteen stories, 51x93 feet, slag and tile roof, electric lighting, steam heating. Architect has received bids.

**Pier**, Atlantic City, N. J. Architects, Simon & Bassett, 1110 Chestnut street. Owners, company, care of A. E. Burk, 409 Arch street. Concrete and steel, with one story, slag roof, electric lighting. Plans in progress.

**Store** (alt. and add.), 5946 Germantown avenue. Architect, private plans. Owner, Eugene Loebel, on premises. Brick, two and one-half stories, tin roof, electric lighting, hot air heating. Owner taking bids, due January 24th. Appleton & Burrell, 1204 Chancellor street, are figuring.

**Residence** (alt. and add.), Chelsea, N. J. Architects, Thomas, Churchman & Molitor, 1309 Walnut street. Owner, Rudolph H. Wolf, Oak Lane. Frame, two and one-half stories, slag roof, steam heating, electric light. Architects have received bids.

**Factory Building** (alt. and add.), Sixth street, between Pearce and Moore streets. Architects, Ballinger & Perrot, 1211 Arch street. Owner, Elbert Furniture Company, 613 Moore street. Brick, two stories, slag roof, electric lighting. Architects taking bids, due January 31st. The following are figuring: B. Ketcham Sons, 1029 Brown street; Appleton & Burrell, 1208 Chancellor street; Stewart Bros., 2526 North Orkney street; William R. Dougherty, 1608 Sansom street; William R. Brown, 2145 East Fifth street; H. E. Baton, Tenth and Sansom streets; Frank E. English, 1610 North Carlisle street; A. R. Raff, 1635 Thompson street; Herman Voigt, 1251 North Twenty-eighth street.

**Store Fronts and Interior Alterations**, S. W. corner Sixth and Washington Square. Architects, Barnett J. Medoff & Son, 524 Walnut street. Owner, David McKay, on premises. Plans completed. Owner to take bids.

**Factory** (alt. and add.), 27 North Seventh street. Architects, Sauer & Hahn, 1112



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Residence (alt. and add.) for Apartment House, Park avenue and Burk street. Architects, Stuckert & Sloan, Crozer Building. Owner, Arthur W. Yale, 522 Weightman Building. Brick, four stories, addition, 20x

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40 feet, slag roof, electric lighting. Plans in progress.

**Veterinary Hospital Building**, Thirty-ninth and Baltimore avenue. Architects, Stewardson & Page, 420 Walnut street. Owners, University of Pennsylvania, Thirty-fourth and Spruce streets. Mt. Holly and Kittaning white brick, Sayer & Fisher red, two stories, 44x205 feet, slate and slag roof, electric lighting, steam heating. Architects taking bids, due January 30th. The following are figuring: William R. Dougherty, 1608 Sansom street; F. E. Wallace, 1210 Sansom street; Roydhouse Arey & Co., Fidelity Building; Stacey Reeves & Son, 1611 Filbert street; J. E. & A. L. Pennock, Land Title Building; R. C. Ballinger & Co., 218 North Thirteenth street.

**Club House**, N. W. corner Broad and Walnut streets, \$750,000. Architects, Simon & Bassett, 1118 Chestnut street. Owners, The Manufacturers' Club, on premises. Stone and brick and steel, fireproof, ten stories, 100x100 feet, electric lighting, steam heating. Architects taking bids, due February 5th. The following are figuring: Roydhouse Arey & Co., Fidelity Building; Doyle & Co., 1519 Sansom street; William R. Dougherty, 1608 Sansom street; Irwin & Leighton, 126 North Twelfth street; R. C. Ballinger, 218 North Thirteenth street; Cramp & Co., Denckla Building; Doak & Co., Crozer Building; Wells Bros. Company, of New York, Morris Building; J. Meyers & Son, Witherspoon Building; M. P. Wells, Witherspoon Building; J. R. Wiggins & Co., Heed Building; Gill & Co., Heed Building; Harens & Co., 845 North Nineteenth street; Fuller Construction Company, Morris Building; J. E. & A. L. Pennock, Land Title Building; B. Ketcham Son, 1029 Brown street; Payne & Co., 401 South Juniper street; Chas. McCaul Company, Tenth and Sansom streets; Thos. M. Seeds, 1207 Race street.

**Building (alt. and add.)**, 2009 North Broad street. Architects, Sauer & Hahn, 1114 Chestnut street. Owners, M. Rosenberg Son, on premises. Brick, two stories, 14x26 feet, slag roof, vapor heating, electric lighting. Architect taking bids, due January 25th. The following are figuring: J. S. Wilson Company 1125 Brown street; H. E. Baton, Tenth and Sansom streets; F. A. Havens & Co., 845 North Nineteenth street; A. R. Raff, 1635 Thompson street; Lam Building Company, 1001 Wood street; Smith, Hardican Company, 1606 Cherry street.

**Stable**, Haverford, Pa., \$5,000. Architect, D. K. Boyd, Fifteenth and Walnut streets. Owner, A. A. Hirst, 211 South Sixth street. Stone, one and one-half stories, 23x42 feet 6 inches, shingle roof, electric lighting, hot water heating. Plans in progress.

**Church**, Sixty-first and Jefferson streets, \$25,000. Architects, Ballinger & Perrot, 1211 Arch street. Owners, Mary A. Simpson Memorial M. E. Church, care architects. Stone, one story and basement, slate roof. Preliminary plans in progress.

**Residence and Garage**, Merion, Pa., \$12,000. Architect, Charles B. Keen, Bailey Building. Owner, Van Court Carwithen, Merchants and Mariners Building. Stone, two and one-half stories, 55x30 feet, tile roof, hot water heating, hardwood floors, electric lighting. Plans in progress.

**Factory Building (add.)**, Willard and Jasper streets. Architect, Jacob Naschold, 723

Walnut Street. Owners, Peerless Silk Hosiery Company, on premises. Brick, concrete, four stories, 59x43 feet, slag roof, electric lighting, steam heating. Owners taking bids, due January 27th. James C. Doak & Co., Crozer Building, are figuring.

**Residence**, Chestnut Hill, Philadelphia, \$25,000. Architect, Charles Barton Keen, Bailey Building. Owner, Henry A. Laughlin, Chestnut avenue, Chestnut Hill, Pa. Stone, 2½ stories, 30x50 feet, wing 25x30 feet. Hot water heating, slate roof, hardwood floors. Architect will take bids in a few days.

**Residence**, Cambridge, Md., \$16,000. Architect, L. W. Crawford, Wilmington, Del. Owner, Albanus Phillips, Cambridge Md. Brick and frame, three stories, 35x60 feet. Electric lighting, steam heating, slate roof, hardwood floors. Architect taking bids, due January 29th. H. L. Brown, 1714 Sansom street, is figuring.

**Residence**, Stone Harbor, N. J. Architect, H. L. Reinhold, Tenth and Sansom streets. Owners, South Jersey Realty Company, Real Estate Trust Building. Stone, 2½ stories, 35x26 feet. Shingle roof, electric lighting. Plans in progress.

**Residence**, Ardmore, Pa. Architects, Evans, Warner & Bigger, Witherspoon Building. Owner, E. C. Evans, Witherspoon Building. Hollow tile and stucco, 2½ stories, 30x50 feet. Shingle roof, hot water heating, electric lighting. Plans in progress.

**Factory Building**, 134th street and Walnut avenue, New York City. Architects, Ballinger & Perrot, 1211 Arch street. Owner, Phillips Jones Shirt Manufacturing Company, 502 Broadway, New York City. Plans about to be started. Too early for details.

**Residence**, Mt. Airy, Philadelphia. Architect, Clyde S. Adams, 1233 Arch street. Owner, Frank V. Chambers, 215 Gowan avenue. Tapestry brick, 2½ stories, 40x30 feet. Slate roof, hot water heating, electric lighting. Plans in progress.

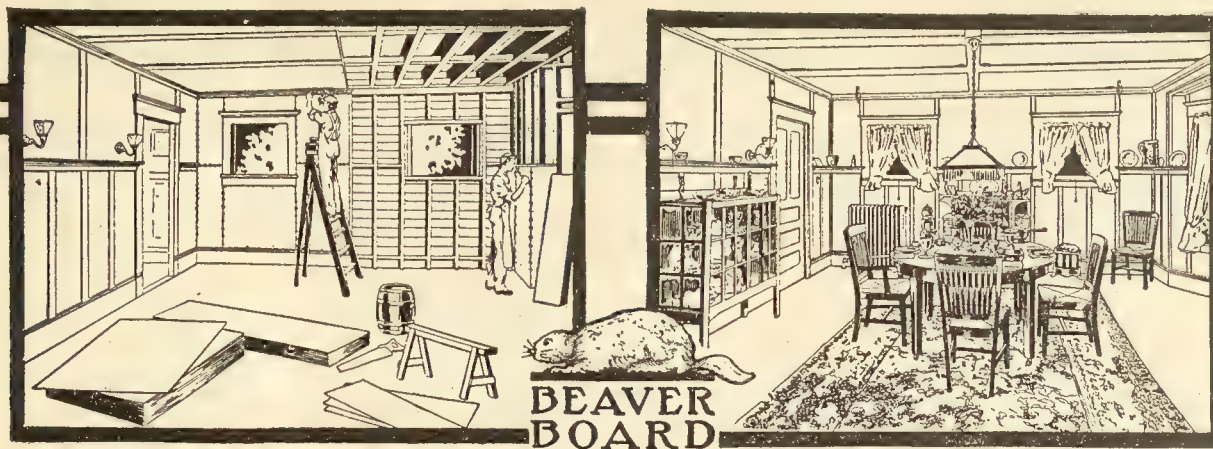
**Passenger Station**, Valley Forge, Pa. Architect, William Hunter, Reading Terminal. Owner, Philadelphia and Reading Railway Company, Twelfth and Market streets. Stone, 2½ stories, 25x63 feet, platform and shelter sheds, slate roof, steam heating, electric lighting. Owners taking bids, due January 31st. The following are figuring: H. E. Baton, Tenth and Sansom streets; Irwin & Leighton, 126 North Twelfth street; F. L. Hoover & Sons, Builders' Exchange; J. S. Wilson, 1125 Brown street; P. J. Hurley, 1233 Cherry street.

**Hospital**, Columbia, S. C. Architect, J. H. Sams, Columbia, S. C. Owner, Dr. A. B. Knowlton, Columbia, S. C. Brick, three stories, 50x84 feet. Slag roof, electric lighting, steam heating, hardwood floors. Architect taking bids, due January 30th. Doyle & Co., 1519 Sansom street, are figuring.

**Residence (alt. and add.)**, Wynnewood, Pa. Architect, H. C. Wise, 34 South Sixteenth street. Owner, W. E. Heyl, on premises. Stone, 2½ stories, shingle roof, electric lighting. Architect taking bids, due January 30th. The following are figuring: J. Duncan, 920 Walnut street; H. E. Grau Company, 1707 Sansom street; F. H. Mahan, Ardmore, Pa.

**Bank Building (alt.)**, Newark, N. J. Architects, Shore & Dodge, 608 Chestnut street. Owners, the National Newark Banking Com-





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pany, Newark, N. J. Consists of interior alterations. Architects taking bids, due February 2nd. The following are figuring: W. H. Conway, Newark, N. J.; Falmond & Co., Arlington, N. J.; D. M. Waldran, Newark, N. J.; W. D. Sharwell & Co., Newark, N. J.; H. J. Rolfe, New York; Doyle & Co., 1519 Sansom street; F. L. Hoover & Sons, Builders' Exchange; F. D. Kramer & Co., Sixteenth and Spring Garden streets.

**Bank and Office Building**, southwest corner Twelfth and Market streets. Architect, John

T. Windrim, Commonwealth Building. Owner, Continental Equitable Trust Company, care of T. M. Daly, President, Stephen Girard Building. Brick, stone and steel. Details and number of stories not yet decided. Plans in progress.

**Store Building**, 925-27 Market street. Architect, Stearns & Castor, Stephen Girard Building. Owner, Berg Brothers, on premises. Brick, steel and concrete, six stories. Plans in progress.

chitect, Frank Seeburger, Pennsylvania Building. Owner, Dr. Albert C. Barnes, Merion, Pa. Stone, three stories, slate roof, hot water heat, electric light. Contract awarded to E. J. Hedden, 14 South Broad street.

**Office and Coal Tunnel and Yard**, Port Richmond, Philadelphia. Architect, William H. Hunter, Reading Terminal. Owners, Philadelphia and Reading Railway Company. Office, two stories, 15x29 feet, slag roof, electric light. Contract for coal tunnel and yard awarded to J. S. Caldwell, Trenton, N. J., and office to E. L. Seeds, 6341 Wissahickon avenue.

**Club House**, Broad and Kenilworth streets. Architect, Fred. Webber, Morris Building. Owners, Olympic Club, care of Harry D. Edwards, 21 North Juniper street. Stone and brick, one story, 110x140 feet. Electric lighting, slate roof, steam heating. Contract awarded to A. Whitehead, 1624 Latimer street.

**Building (alt. and add.)**, 1430 Callowhill street. Architects, Sauer & Hahn, 1110 Chestnut street. Owner, A. E. Ford, on premises. Brick, six stories, new fire tower, electric lighting. Contract awarded to Lam Building Company, 1001 Wood street.

**Storage and Warehouse**, Fifty-third and Whitby streets. Architects, Ballinger & Perrot, 1211 Arch street. Owners, American Ice Company, Sixth and Arch streets. Building, three stories, slag roof, brick, concrete, fireproof. Contract awarded to Irwin & Leighton, 126 North Twelfth street.

**Residence**, Ardmore, Pa. Architects, Evans, Warner & Bigger, Witherspoon Building. Owners, the Misses Smith, care of architects. Tile and terra cotta, 2½ stories, 45x24 feet. Shingle roof, electric lighting. Contract awarded to Gray Brothers, Rosemont, Pa.

**Garage**, Girard avenue and Market street,

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Residence (alt. and add.)**, 2043 Mt. Vernon street, \$2,500. Architect and owner, J. L. Coneys, Fifteenth and Walnut streets. Brick, three stories, hot water heating, new bath rooms. Contract awarded to J. M. Daniels, 252 South Juniper street.

**Passenger Stantion and Sheds**, Midvale avenue, East Falls, Philadelphia and Norristown Branch. Architect, William Hunter, Reading Terminal. Owners, Philadelphia and Reading Railway Company. Brick, two stories, 38x50 feet, slate roof, electric lighting, steam heating, hardwood floors. Contract awarded to J. E. & A. L. Pennock, Land Title Building. Contract not yet signed.

**Residence**, Upsal street and Wayne avenue. Architects, Savery, Sheetz & Savery, Stephen Girard Building. Owner, Frederick Shaw, Walnut Lane and Wayne avenue. Brick and rough cast, two and one-half stories, 37x44

feet, hot water heating, electric lighting, slate roof. Contract awarded to Carvan Construction Company, 5143 Erving street.

**Residence (alt. and add.)**, 1901 Spring Garden street. Architects, Magaziner & Potter, 137 South Fifth street. Owner, Morris Dannebaum, 1901 Spring Garden street. Stone and brick, three stories, interior alterations. Contract awarded to Chapman Decorative Company, 1502 Walnut street. Architects will take bids on plumbing, heating and electric work.

**Residence**, Overbrook, Philadelphia. Architects, Bailey & Bassett, 421 Chestnut street. Owner, E. L. Tustin, Crozer Building. Stone, two and one-half stories, 30x50 feet, wing 30x55 feet, shingle roof, hot water heating, electric lighting. Contract awarded to John R. Wiggins & Co., Heed Building.

**Residence (alt. and add.)**, Merion, Pa. Ar-



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Philadelphia. Architect, Engr. Dept. Boston, Mass. Owners, Swift & Co., Ninth and Girard avenue, care of Mr. Ware. Concrete and steel, one story, 25x36 feet. Corrugated iron roof, electric lighting. Owners are sub-letting all work.

School, Mt. Holy, N. J. Architect, Clyde S. Adams, 1233 Arch street. Owners, Board of Education of Mount Holly. Brick, two stories. Slate roof, electric lighting, steam heating. Contract awarded to D. H. Sharp, Camden, N. J.

## Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

A. Hartung (O), 24 South Marshall street. Cramp & Co. (C), Denckla Building. Cost, \$135,000. Warehouse, nine stories, brick and concrete, 70x131 feet, 506-512 Race street.

Harry Baverman (O), 529 Arch street. Phil. Glasshofer (C), 1126 North Seventh street. Cost, \$4,800. Store and dwelling, brick, three stories, 13x42 feet, Randolph and Master streets.

William J. Stokes (O), 1637 Bridge street. T. Parson (C), 4572 Salmon street. Cost, \$1,500. Dwelling, brick, three stories, 19x100 feet, Brill street and Frankford avenue. Cost, \$1,500. Dwelling, brick, three stories, 19x100 feet, Brill street and Frankford avenue.

James Kerr (O), 3415 Crystal street. Cost, \$4,000. Two dwellings, two stories, 16x45 feet, Tenth and Nedro streets.

Frank Thompson (O), Eighty-fourth and Tinicum avenue. Cost, \$300. Stable, two stories, brick, 14x14 feet, Redmont and Tinicum avenue.

T. J. Benheim and D. R. Perkinpine (O), 402 Land Title Building. Cost, \$4,300. Two dwellings, brick, 17x43 feet, Fifty-fifth and Baltimore avenue. Cost, \$47,600. Seventeen dwellings, brick, 17x43 feet, Fifty-fifth and Baltimore avenue. Cost, \$54,000. Twenty-seven dwellings, brick, 17x43 feet, Fifty-fifth

and Baltimore avenue. Cost, \$54,000. Twenty-seven dwellings, brick, 17x43 feet, Fifty-fifth and Baltimore avenue. Cost, \$6,400. Two dwellings, brick, 17x43 feet, Fifty-fifth and Baltimore avenue. Cost, \$3,000. One dwelling, brick, 17x43 feet, Fifty-fifth and Baltimore avenue. Cost, \$5,600. Two dwellings, brick, 17x43 feet, Fifty-fifth and Baltimore avenue. Cost, \$3,500. One dwelling, brick, 17x43 feet, Fifty-fifth and Baltimore avenue. Cost, \$3,500. One dwelling, brick, 17x43 feet, Fifty-fifth and Baltimore avenue.

Weisbrod Hess Brewing Company (O), Martha and Adams streets. P. Haibach Construction Company (C), 2530 West Thompson street. Cost, \$22,000. Bottling house, two stories, 88x43 feet, brick, Martha and Adams streets.

Morris Kennin (O), Fourth and Fitzwater streets. M. J. Layaoff (C), 1418 South Sixth street. Cost, \$4,000. Store and dwelling, brick, three stories, 18x62 feet, Seventh and Dudley streets.

Robert Winchester (O), 3863 Manayunk avenue. Keller Bros. (C), 4522 Baker street. Cost, \$2,800. One dwelling, two stories, 16x47 feet, Paoli and Ridge avenue. Cost, \$2,800. One dwelling, two stories, 16x47 feet, Paoli and Ridge avenue.

## Alterations and Additions

William Easterbrook (O), 311 Cherry street. Cost, \$425. Shop, 311 Cherry street.

Building, 438 Market street. Cost, \$5,000. Charles McCaul Company, Tenth and Sansom streets.

George Mershon (O), 1203 Filbert street. J. R. Livezey (C), 1933 Market street. Cost, \$350. Cold storage, 1203 Filbert street.

Mary A. Harris (O), Mervine and Montgomery avenue. G. J. Reich (C), 1112 Loudon street. Cost, \$1,100. Store and dwelling, Mervine and Montgomery avenue.

Class & Nachold Brewing Company (O), 1720 Marvine street. S. B. MacDowell & Son (C), 1927 Montgomery avenue. Cost, \$1,200. Saloon, 1523 West Dauphin street.

Quarker City Rubber Company (O), Conly and Wilmor streets. Sam. Wilmer (C), 3211 Conly street. Cost, \$1,400. Factory, Conly and Wilmor streets.

A. S. Jones (O), 514 South Fifteenth street. W. J. Robinson (C), 1508 Lombard street. Cost, \$1,260. Restaurant, 516 South Fifteenth street.

A. J. McClelland (O), 2101 North Front street. W. E. Stone & Son (C), 2069 East Dauphin street. Cost, \$590. Store, 2103 North Front street.

Joseph McGummer (O), 1527 North Second street. J. Quinn (C), 1704 North Second street. Cost, \$975. Dwelling, 1527 North Second street.

Becker, Smith & Page (O), Front and Snyder avenue. W. R. Brown (C), 2145 East Fifth street. Cost, \$1,050. Pump house, Front and Snyder avenue.

Mrs. Ellen McIntyre (O), Eleventh and Wharton streets. Cost, \$2,000. Saloon and dwelling, Twenty-second and Cumberland streets.

Mrs. M. L. Lynn (O), 1201 Chestnut street. William Oaks (C), 200 South Tenth street. Cost, \$1,300. Residence, 222 North Franklin street.

D. M. Hess Estate, 205 South Sixth street. Ash Construction Company (C), 1323 Marvine street. Cost, \$525. Shop, 928 North Third street.

Ralph F. Butts (O), Poughkeepsie, N. Y. Cost, \$3,000. Factory, 213 South American street.

W. W. Bacon (O), 162 West Queen Lane. W. J. Gruhler (C), 219 High street. Cost, \$4,000. Dwelling, 158 Queen Lane.



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Thousands of years ago, the whole civilized world knew that no material was so adaptable to all requirements, so durable under all conditions and so susceptible of a high degree of artistic finish.

However, we often forget the wisdom acquired by experience and are led astray by the desire for novelty and the use of new materials which promise much. Even as statesmen and politicians have sought to change the gold standard, so have we sought to change the building material standard and have experimented with various materials, a large number of which are worthless, and none of which however valuable in their own special places, are satisfactory as substitutes for brick. Times and progress combined are rapidly clearing our streets of these experiments in unsuitable material, and we note with pleasure that practically all our new buildings are of brick and terra cotta. These buildings represent the perfection of the clay-worker's art and are a lasting satisfaction to their owners.

Ten thousand years ago men made brick. To be sure these were only sun dried and could not long resist exposure to the weather. In course of time they learned to face these sun dried walls with burned brick. In the ruins of Babylon and other ancient cities these face brick are found elaborately ornamented with colored glazes in as perfect a condition as when first laid. Whoever was the discoverer of the process of burning clay into a hard durable substance should be accorded the honor of being one of the greatest benefactors of the building industry and consequently of humanity. It has been said that buildings constitute a history of the civilization of the world; and if this is true, then brick are the type with which this history is printed.

From that distant time down to the present, the use of brick and other burned clay products has been continuous, and at different times and in different countries has attained a height of perfection and beauty almost unbelievable to one not thoroughly familiar with its possibilities.

All old Italian cities are full of the most beautiful brick and terra cotta work; in Germany it has been used and in Holland its use was and still is almost universal. Spain is full of fine buildings of molded clay, while England has gone so far that elaborate carving is done on brick work of a fine, firm texture—carving such as we would think possible only in stone.

All of the old buildings show that brick is not only durable but that it is a material which, like certain wet goods, improves with

age and acquires additional charm with each passing year. This feature should be a great comfort to the architect when his building proves not to be the thing of beauty he had expected. If it is brick he knows that Nature will kindly take it in hand and after he has been dead for years some artistic soul will discover and disclaim over the wonderful coloring and blended tones of the walls.

But in accomplishing this result Nature does not take kindly to man's interference, and if any assistance is offered it must be done very carefully and tactfully and it must not be in the form of paint. Often, we have seen walls just beginning to bloom with the subdued tones of age "brightened up" with a thick coat of paint which utterly kills all the life, character and beauty of the material.

Paint is a good thing in its place, and like the mantle of charity may be made to cover a multitude of sins; but there should be nothing to cover in a brick wall. We should not forget that both the durability and beauty of the brick work depend not alone on the making of the brick, but upon the mortar, the bricklayer and the man who designs the building.

The best brick will make a poor wall if improperly handled, and, by the use of good mortar and intelligence, much may be done with an inferior grade of brick. This does not, however, excuse the use of poor brick, for the result can never be entirely satisfactory. You know all about the making of the brick and how to obtain the desired color and texture; the bricklayer probably knows little about the processes through which the brick passes before reaching his hand, but he does know how it should be laid to secure the best results. While I, as the architect, may know even less than the bricklayer about the manufacturing process, yet I should know more about design; and our combined labor produces a complete building impossible to any one of us alone.

One important feature in the success of brick work which I should like to bring out may not interest you except as an additional means to successful building. This is the question of bond. Bricklayers, and architects as well, are just beginning to appreciate the importance of bond from the point of durability as well as of effect. Have you not, at a fire or even on some old building, often seen whole sheets of face brick peel off, leaving exposed the real wall of common brick behind?

It is evident that such facing, merely tied on, can add little if any strength to the wall and it is a source of danger in case of accident. Why should we try to conceal the necessary bond as though it were something improper, a thing not to be seen or mentioned in public?

In the old country numerous varieties of

bonds are employed and they add greatly to the interest and beauty of the work not to speak of the strength gained by having the wall tied together into one homogeneous mass. Let us therefore have a bond, not invisible clipped corners or ties of wire and strips of metal, but a bond, visible and real, with each individual header doing its duty, undisguised. They give the wall a character and dignity which it would otherwise lack.

In such a case a careful study of mass and detail suitable to the material and an intelligent use of color in joints would accomplish a most dignified and attractive result.

Abraham Lincoln's remark about people might apply equally well to brick. He said, "God must have loved the common people, He made so many of them." Are not burned clay products almost the universal building materials? Our wheels do not skid so badly on brick pavements, our walks are often laid of brick, our buildings have foundations of hard vitrified brick, the walls above are of brick, the floors and partitions of hollow tile and the whole is crowned with a tile roof, a complete and beautiful structure which needs no repairs and fears no fire. Even when the building shows a front of granite or marble in most cases we find the body of the wall to be of brick. This, in the case of a severe fire, is the only part to escape destruction. Would it not be much better to use the one material throughout, thereby gaining in honesty of construction, strength, durability and artistic effect? The durability of brick is beyond question and the variety of color and texture is so great that it would seem impossible to devise more. The manufacturers, however, constantly studying for new effects, are every month surprising us with new varieties. It is now possible to obtain brick of a character to suit any style of architecture and it is a waste of money to send abroad for costly stone when we have such an unlimited supply of a better material at hand. Let us hope that the near future will develop the use of brick to such an extent that a frame building will be as rare as a marble one is now.—A. R. Van Dyck, in "Brick."

**\*\*An important step in the way of action on the part of municipalities in passing regulations governing the ventilation of public buildings is a section introduced into the building law of San Francisco, providing that in all buildings designed as places of public assemblage, and in factories and workshops and mercantile or other establishments where ten or more employes are engaged, provision shall be made for at least fifteen square feet of floor space and 200 cubic feet of air space for each occupant to be accommodated in each room, and for supplying at least thirty cubic feet of pure air per minute for each occupant thereof, and that in every building, or part of building, intended for audience room only as a theatre, hall or nickelodeon, provision shall be made for supplying at least thirty cubic feet of pure air per minute for each occupant thereof.**



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## ARCHITECTS SEEK WIDE PUBLICITY

American Institute To Ask Criticisms and Suggestions For Improvement of  
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Expressing the view of the professional man that it pays to advertise and that publicity on all matters affecting the aesthetic taste of a community is valuable, the American Institute of Architects is preparing the way to take the people of the country into its confidence on all matters of general interest. Through the medium of the daily newspapers the architects plan to give the American public an idea of their varied activities and to arouse a spirit among the people which may find expression in suggestion, approval or criticism of building projects destined for their respective communities.

Taxpayers throughout the country who have a leaning toward "the city beautiful" will be in a position to get advance information on proposed building improvements, for the architects are going to ask the newspapers to co-operate with them in the preparation of city planning and the many other phases of activity which come within the scope of the architectural profession.

Determination to let the public know what is going on or what is contemplated was made recently when the American Institute of Architects met in Washington for its forty-fifth annual convention. From all parts of the country there were delegates. No part of the business transacted caused more general satisfaction than the decision to create a committee on public information. There was a unanimity of opinion that much of the work done by architects was of a character of more than passing interest to the public, and that in fairness to the people who would pass final judgment on the architect's creation it would be a policy of wisdom to conduct an educational campaign for the masses and stimulate the development of their artistic senses.

The plan and scope of the new committee have not been decided upon, but the perfection of the main organization was started on January 3, when officers of the American

Institute of Architects, headed by Walter Cook, of New York, the newly elected president, met in the Century Club. The plan provided for the organization of a large committee on public information, to be located in New York or some other Eastern city, and the formation of sub-committees in thirty-two chapters of the institute scattered throughout the country.

It is the intention of the architects to ask newspapers to join them in their movement by publishing such news as will be of importance to the public. The professional men realize that there is plenty of live news in the apparently dry technical matter with which they come in daily contact, and they believe it can be served to the reading public in an attractive and interesting manner.—"New York Herald."

### MEETINGS SCHEDULED.

Ohio Builders' Supply Association, Dayton, Ohio, January 25-26, 1912.

National Builders' Supply Association, Hotel Astor, New York City, January 30-31, 1912.

Second Annual Cement Show, New York, Madison Square Garden, January 29-February 3, 1912.

National Lime Manufacturers' Association, Hotel Astor, New York, February 1-2, 1912.

Illinois Lumber and Builders' Supply Association, Chicago, Ill., Sherman House, February 13-14-15, 1912.

Fifth Annual Cement Show, Chicago, Coliseum, February 21-28, 1912.

First Annual Cement Show, Kansas City, Mo., Convention Hall, March 14-21, 1912.

Clay Products Show, Coliseum, Chicago, March 7-12, 1912.

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## THE SUBJECT OF COMPETITIONS

Variouslly Regarded Among Practitioners, But Open to Little Objection If Held Under A. I. of A. Rules

The subject of competitions is always a live one, and the mere mention of the word makes the average practitioner at once become interested. The main reason for this attitude on the part of the majority of the members of the profession is on account of the fact that so many and various opinions have been written, both by practitioners and editors of the different architectural magazines, from their different points of view, and also by the divers and various methods adopted by committees in charge of important work when it comes to the actual issuance of a program.

The mere fact that this is such an interesting topic shows its importance to the entire profession and to the public who have had or may have some reason for wishing to have a comprehensive knowledge of the means by which the best results are secured when this method for the selection of an architect is adopted.

Of recent years, the American Institute of Architects has taken the matter up and thrashed it out time and time again without any definite action in the shape of instructions to its members until recently, and there has been issued by the Institute rules and regulations covering the proper conduct of competitions which has had probably more to do with, not only giving the public accurate information on the subject, but also raising the plane of the average competition than can be estimated. The value of these rules and regulations is, of course, the result of the experience and accumulated knowledge of the leading men in the profession who took part in the debates at the annual meetings of the Institute, and also those who were members of the committee having in charge the compilation of this matter for issue to the members in the above form.

For years, individual members of the profession have endeavored to throw more light on this subject and secure better programs, and therefore fairer results, but have only been partially successful, and then only in the more metropolitan districts of the country where the profession is more clearly understood by the average person.

Competitions might be classed regardless of their different attributes in the following way: First, that which is instituted by an owner or a committee with merely a vague outline of the requirements of the problem and the amount of money they wish to expend upon it, which matter is sent to the architects who may know about it, and to no one else; second, the kind that is covered by a program which is thorough in its statements of requirements but very inadequate as to the provisions regarding the employment of a professional advisor, whereby a fair and unbiased judgment may be arrived at, and which does not appeal to the larger class of good practitioners; third, the well organ-

ized competition whose requirements are clear and distinct and which have been drawn up by a professional advisor with experience in such matters, and where the statement is made as to the details of the engagement of an architect, his remuneration and his duties in case of success, also where the advice of the professional advisor is to be taken when the awards are made.

We are thankful to state that the third method, or that conducted under the rules and regulations of the American Institution of Architects, is becoming more and more prevalent and usual, but mainly it is being used in the cases of larger buildings, as the smaller a proposition the less the owners or committees seem to feel the necessity for giving the time or standing the expense of having their competition properly conducted. However, the outlook is very hopeful that no matter how gradual the universal use of these rules and regulations may be that they will eventually come into general use in the conduct of competitions for any size or class of buildings that may be contemplated.

The main reasons for the lack of the proper conduct of competitions is the prevalent idea among the public that the preparation of sketches by an architect for any kind or size proposition is the matter of very few hours or days of his time on the idea that all they require is "just a little sketch" to give them an idea of what they can do on their lot and within the amount of money they contemplate spending. So many architects have acquiesced in these requests that the public has had good reason for believing that it really is a very small thing to ask and that the majority are perfectly willing to do as they request on the chance of pleasing them and securing the commission. Not realizing that the artistic and conscientious study of a problem is a matter of weeks and some times months to get the proper results, the public have been prone to ask this gratuitous service without any compunction whatsoever, but the time is coming (forwarded, no doubt, by the architects who refuse to accede to these demands (when this method of securing often very valuable ideas for nothing will be a thing of the past, and if the majority of members of the profession would realize how many of these gratuitous sketches they make and how little they gain in the end by so doing, there would be very little, if any, of this sort of thing done.

Aside from all of the above, and regardless of the method in which a competition is held, the onus is on the individual competitor who risks his time and money in any case, and even in well conducted competitions the amount of money expended by, say fifty or sixty competitors amounts sometimes to thirty or forty thousand dollars, while the ultimate commission which would be received by the

successful competitor would probably amount to less than that expended by his brother practitioners in making elaborate sketches that are always necessary and called for by the importance of contemplated work.

The expenditure of such large amounts of money and time by the profession at large is, however, to be condoned by the fact that as in other professions, there are so many men well qualified to undertake almost any piece of constructive work and the committees in charge of such matters are at odds as to the direct selection of an architect for the work and it is practically impossible for them to give a fair chance to all of those qualified to do the work in any other way, except as has been done very recently in several important matters; that is, the architects who wish to secure the work are requested to file their qualifications, together with list of similar work that they have actually constructed, and also any endorsements that they may be able to secure from former clients, and, after the consideration of this material, a decision can be arrived at as to the man most fitted to undertake a certain piece of work as easily, and probably with more thoroughly practical results than by the more or less blind method of selecting a design which might appeal to them, when after the author is disclosed and his experience, etc., is examined into, the result may be quite the reverse. Therefore, owners and committees should weigh the salient features of both these methods, taking into consideration the character of the work they contemplate and come to their conclusions as much upon what might be called a personal as on one of what might be also termed architectural dexterity, which is not always, we must confess, dexterity of the architect himself, but may be that of some one in his employ; while, on the other hand, it is very easy to discover the position that an architect may have in his community and the opinion of his fellow citizens and his clients and whether or not the actual work constructed by him is satisfactorily performed and answers the purpose it was intended for.

There are some drawbacks even to the well regulated competitions conducted under the rules of the Institute, as the advisors that are employed to conduct them are apt to freely interpret these rules to the detriment of the competition, and also the exclusion of many talented, though possibly young, members of the profession who find it difficult to submit the necessary qualifications for an invitation on account of the fact that they have not been practicing long enough to have constructed sufficient important work to warrant their being invited in competitions against men of mature experience. While the necessity for experience and a mature understanding of the requirements of the profession and the recognition that such qualifications should have, cannot be given too much importance, at the same time, in a well written program safeguards could be thrown around such immaturity and inexperience merely by the provision that in the case of the success of the designs by a man who had evidently only





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would be glad to submit samples, sketches and further detail.

practiced a short time, there could be associated with him a man who would be acceptable to the owner or committee, on account of his standing in the community as an architect of experience and integrity, and in this way advantage could be taken of any hitherto unknown genius who might very easily solve a problem in such a way that it would be absolutely original and practicable.

There has also been adopted a method for the selection of applicants for competitions held under the regular rules which has almost invariably held the competitors down to a certain group of what we might term prominent members of the profession in the more congested metropolitan districts, this condition being caused by the restriction of the number of invitations issued. This method is evidently adopted on account of the idea

that by opening a competition to the country at large or to the world that the number of competitors would be so great that to handle the proposition would be difficult and unsatisfactory. Experience has proven, however, that this is not the case, as even in international competitions, the number of designs actually sent in rarely runs over 150, and in recent competitions open to the practitioners of this country the number has rarely run over 100, and in a great many cases where the cost was from a half million to a million has been even as low as 50 or 60. It can therefore be easily realized that the necessity for a restriction of the number of competitors is without foundation, as by the usual process of elimination in the experience of men who have judged numerous competitions, at least fifty per cent. of the designs are thrown out for one reason or another within the first forty-eight hours, and by devoting three or four days an expert can easily come to a decision amongst 75 or 100 designs within six or ten days—all of which is an endeavor to prove that the only real requirements necessary should be a submission by each applicant of his experience and qualifications, and if they do not meet with the approval of the people in charge of the matter, the applicant need not be invited, but this is a matter which is, of course, well within the rights of any owner or committee as to how they wish to handle the matter and whether or not better results could be obtained by such a method or a dependence upon the possibility of appointing an associate in case the successful competitor were lacking in experience.

It is undoubtedly true that the majority of architects loyally endeavor to support professional ethics, etc., as covered by the actions and utterances of the American Institute of Architects, and that they are all do-

ing considerable missionary work in endeavoring to have both the owners and other architects respect and conform to them, and any member of the profession who has been practicing for anywhere from five to ten years and has observed conditions to any extent, will agree that as a whole the public are becoming more and more to realize the dignity of the profession and to respect its tenets and ethics and endeavor as far as they know to abide by them. The majority of the infringements of these matters being caused by the lax methods of some of the members of the profession, themselves, it being well known that the public as a whole are fond of a "square deal" if they are properly apprised of the methods by which it can be attained.—A. Ten Eyck Brown in "Concrete Age."

## GYPSUM INDUSTRY IMPORTANT.

The importance of the gypsum industry in the United States is shown by figures compiled by E. F. Burchard, of the United States Geological Survey. For 1910 the value of gypsum products was \$6,574,478 and the amount of gypsum mined 2,375,394 short tons. This was an increase over the figures for 1909 of more than 5 per cent. in tonnage and more than 10 per cent. in value. Our gypsum industry is independent of foreign sources, for the value of the imports in 1910 amounted to only \$502,111, or less than 8 per cent. of the domestic output.

New York was the largest producer of gypsum, with an output valued at \$1,153,977, an increase of \$121,327 over 1909. Iowa came second, with a value of \$943,849, and Michigan third, with \$668,201.

The bulk of the gypsum produced was manufactured by grinding and partial or complete calcination into plaster of Paris, molding and casting plaster, stucco, cement plaster, fibered plaster, plaster boards, flooring plaster and hard-finish plaster. The best known hard-finish, anhydrous plaster is Keene's cement, which sets very white and hard. It is used as a backing and surface for artificial marble and for ornamental moldings and castings, and its use as a wall plaster is increasing.

Refined grades of plaster are used in dental work, also a cement for plate glass during grinding, for making pottery molds, stereotype molds, and molds for rubber stamps, and as an ingredient in patent cements. A large quantity of gypsum is used in the raw state as a retarder in Portland cement. Considerable quantities are ground without burning and used as lang plaster or in fertilizers. Smaller quantities are used unburned in the manufacture of crayons and paper.

October, November and December of 1911 were marked by an influx of new subscriptions breaking all records within "The Guide's" history. These new subscriptions came from North, East, South and West—and they are still coming. Hadn't you better add "The Guide" to your 1912 list, Mr. Big Advertiser?





Laurence Visscher Boyd,  
Architect, Phila.

RESIDENCE OF PAUL LAMORELLE, ST. DAVIDS, PA.

## Architectural Notes.

The 18th Architectural Exhibition of the Philadelphia Chapter, American Institute of Architects and the T-Square Club will be held under the patronage and in the galleries of the Pennsylvania Academy of the Fine Arts, Broad and Cherry streets, Philadelphia. Entry slips must be received by Saturday, March 2. Exhibits must be received in Philadelphia by Monday, March 11; in New York by Wednesday, March 6. Public exhibition Sunday, April 14, to Sunday, May 5, inclusive. The exhibition is open on week-days, 9 to 5; Sundays, 1 to 5. The co-operation of architects, mural painters and sculptors is cordially invited. Exhibition Board: John Molitor, Chairman, 1309 Walnut street; Edwin H. Fetterolf, Treasurer; C. A. Ziegler, Secretary; C. L. Borie, Jr., J. P. B. Sinkler, W. W. Sharpley, Edmund C. Evans. Send all communications to Collier Stevenson, Assistant Secretary, care of the Pennsylvania Academy of the Fine Arts.

Exhibits must consist of drawings, models

and photographs of executed or proposed work, illustrative of structural, decorative and landscape architecture, sketches and paintings of decorative subjects, and executed work in the applied arts. Portrait busts, sculpture and paintings not architectural in character will not be received. Perspectives, elevations and photographs should be accompanied by rendered plans wherever possible. Groups of drawings, models and cartoons, illustrating in combination the architectural, sculptural and decorative scheme of a single work are earnestly solicited. All accepted exhibits are subject to publication in the catalogue, must remain until the close of the exhibition, and may not be offered for sale during the exhibition. The exhibitor's name and title must appear on the face of each exhibit; but the Committee reserves the right to change any title unduly conspicuous. Each exhibit must be marked as directed with a label. All drawings, photographs, sketches and decorative paintings must be mounted or framed, prefer-

ably without glass, and with borders and mats on stretched frames reduced to a minimum.

Shipment on or before dates as noted must be made directly to the Pennsylvania Academy of the Fine Arts, Philadelphia. Exhibits from New York City may be sent to W. S. Budworth & Son, 424 West Fifty-second street, New York City. All exhibits shipped must be prepaid. Exhibits received by the New York agents and accepted by the Jury will be forwarded to Philadelphia at the expense of the Exhibition Board. All accepted exhibits will be returned at the expense of the Exhibition Board. All exhibits not found available must, upon receipt of notification, be promptly collected, at the owner's expense, from the point to which consignment was made. Unless otherwise agreed, the Exhibition Board will not be responsible for the loss of or damage to any of the exhibits arising from any cause whatsoever, whether during carriage or while in the custody of the Exhibition Board.

Advertise! The minute you stop advertising you lose ground. You may not feel this loss right away. But you must feel it in the end. Advertising is the dynamo of modern business.



Bell Phone, Spruce 6612

Keystone Phone, Race 2799

## The Philadelphia Real Estate Record and BUILDER'S GUIDE

PUBLISHED WEEKLY

OFFICES, PERRY BUILDING (Suite 824-825)  
Sixteenth and Chestnut Sts., Philadelphia, Pa.

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John Irving Dillon.....Editor

PHILADELPHIA, PA., JAN. 24, 1912.

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### THAT SPECIAL NUMBER.

The management of "The Guide" asks the attention of the trade to the special number issued last week. More voluminous special numbers have been issued within the annals of trade journalism and numbers containing a vastly greater quantity of advertising, so that it is not because of any extraordinary achievement in these lines that "The Guide" has been moved to toot its own tuba as it now purposes to do. The subject of felicitation instanced in the issue of "The Guide" under question is to be found in the marked, self-evident and steady growth of "The Guide" under its present management to a position in which it enjoys the fullest confidence, support and endorsement of the interests to which it is devoted. Commended by the architectural profession, as represented by some of its foremost practitioners, approved by the building interests, supported in an increasing ratio by the most substantial houses in the material supply and specialty trades, "The Guide" is privileged to present in these special issues the announcements of Philadelphia's leading financial fiduciary and insurance corporations—concerns whose names are synonymous with the highest standing in the busy world of affairs. It is precisely this type of growth at which the management of "The Guide" is aiming—not the phenomenal growth which, attracting to its banners every variety of fakir and adventurer, is able to show a mass of "business" of more or less doubtful character, but the slow, orderly and solid growth that is able to show "new business," whose character is such as will commend "The Guide" to men who know that the best possible index to the character of a magazine or of a man is the character of the company he or it keeps.

Just one year ago "The Guide" was an old-fashioned, over-statistical and negative sort of a weekly, with little or nothing to commend it outside of a long record of honorable dealing. To-day it is rated one of the "live wires" among the architectural and building magazines of the United States. The increase in subscriptions has been little short of phenomenal. The field of "The Guide,"—once exclusively local,—has been broadened to take in every State in the Union. Its interests, to-day, include everything directly related to the architectural, building, building material and equipment activities of America. Its growth during the year has been steady, progressive and unremitting. Its improvement, on all sides, during 1912 is being planned by men who are by no means novices in the higher ethics of trade journalism. We mention these facts here because we know our friends are interested in our growth. Just keep one eye glued on "The Guide" during 1912.

### AN EPITAPH.

Here lies the remains of Jonathan Wise,  
Who all his days schemed to devise  
A way to reap fortune's golden prize,  
And failed, 'cause he wouldn't advertise.

In the field of advertising nothing has ever approached in results the highly specialized medium. If your business happens to be the selling of something calculated to commend itself to architects and builders, "The Builders' Guide" will pay dividends. The circulation of "The Guide" is limited to the very class with whom you are seeking to do business.

### ADVERTISING BRICK IN LIVELY RHYMED JINGLES.

That even so prosaic and little promising a subject as brick may be made the theme of attractive advertising is instanced by some really clever jingles sent out by the Hydraulic Brick Company, of Louisville. This concern, which has a good many of the earmarks of live-wire management, uses space in the trade magazines, street car space and other forms of publicity. All of its advertising is engagingly illustrated. One of these cards, showing a row of average houses, runs:

"What makes poor Smith appear so glum?

Is his digestion on the bum?

No, no, dear friend, it is not that,

It's just his house—it fell so flat.

You see, 'twas built of concrete block,

And Smith, tho' not inclined to knock,

Says, 'Build again? Of concrete? Nix.

Next time I build it's good red bricks.'"

Down in the lower left-hand corner of the card it says: "That's Smith. There! It cost him a house to get wise. Sympathize. Don't imitate."

Another of the series runs:

"Dear friend, you live in Average Row,

And though perhaps you do not know

Each operation, trick and ruse,

That good and bad contractors use

In building. Harken! Seize this tip!

We know we're right. You cannot slip.

Just 'tie the can' to builders' tricks

And pin your faith to good red bricks."

The corner injunction on this card is:

"Build your house of Brick, and that's one thing more you'll never have to worry about."

Still another runs:

"Poor Jones! He looks like he could weep,

He built of frame because 'twas cheap.

Scarce ten per cent. was all he saved,

And Jonesy thought that he'd behaved

Like Russell Sage or Hetty Green.

But now he's changed his mind, I ween.

He says, "This frame house makes me sick—  
I wish I'd built of good red brick."

The illustration shows Jones kicking a frame house to pieces with the foot-note: "Jones' house was a bad investment. Deteriorated. Make your home your one best investment. Nuf sed."

These samples are not cited here as shining exemplars of brilliant advertising copy. They are of interest, however, as more or less tonic departures from the usual stereotyped monotonous and soothingly soporific brick advertisements. Say what one will about them, one must concede their possession of a certain amount of captivating "ginger."



## FIRE-FIGHTING AND FIRE PREVENTION—NEW YORK'S NEW BUREAU.

In organizing a Bureau for the Prevention of Fires New York City is setting an example which it would be wise for every large city in the country to emulate. In the past all phases of the fire question were submerged in the one of providing a force for its extinguishment, little or no consideration being given to regulations designed either to prevent it or to minimize resulting dangers. This new bureau, while independent of the established fire-fighting forces, is of co-ordinate importance; in no sense secondary to or tributary in the matter of authority. Under the supervision of the Commissioner it is authorized to enforce all laws and ordinances governing:

1. Prevention of fires.
2. The storage, sale, transportation or use of combustibles, chemicals and explosives.
3. The installation and maintenance of automatic or other fire-alarm systems and fire extinguishing equipment.
4. The means and adequacy of exit, in case of fire, from all buildings, structures, enclosures, vessels, places and premises in which numbers of persons work, live, or congregate from time to time for any purpose except tenement houses.
5. The investigation of the cause, circumstances and origin of fires and the suppression of arson.

The Commissioner is empowered to:

1. Cause any building, structure, enclosure, vessel, place or premises, or any part thereof, or thing therein or attached thereto, to be examined and inspected by any officer or employee of the department designated for such purpose.
2. Order, in writing, the remedying of any condition found to exist in, on or about any building, structure, enclosure, vessel, place or premises, except tenement houses, in violation of any law or ordinance in respect to fires or the prevention of fires, except the Tenement House Law.
3. Require, in writing, the installation, as prescribed by any law or ordinance, in any building, structure or enclosure of automatic or other fire-alarm system or fire-extinguishing equipment and the maintenance and repair thereof, or the construction, as prescribed by any law or ordinance, of adequate and safe means of exit.
4. Require any building, structure, enclosure, vessel, place or premises, which, in the opinion of the Commissioner, is inadequately protected against fire perils to be vacated or to be condemned and removed.

The Commissioner and any of his authorized agents is given power to enter, at reasonable hours, any premises for purposes of investigation or in furtherance of any provision of the law.

Provision is made for the immediate serving of notice upon owners or occupants, or for service by affixing a copy to the premises.

Buildings, premises, etc., perilous to life or property in case of fire therein, or adja-

cent thereto, by reason of the nature of contents, use, or the overcrowding at any time of persons therein, defects in construction, or deficiencies in such fire-alarm or fire-extinguishing equipment as may be required by law, ordinance or order of the Fire Commissioner, are declared to be a nuisance, and as such are subject to summary abatement by the Commissioner. Unless owners or lessees comply with the orders of the Commissioner within the time specified, the Commissioner may execute such order with his own employees and equipment.

That the prudence of adopting and enforcing regulations looking to the prevention of large conflagrations is attracting the minds of thinking men elsewhere is evidenced by an editorial in the "Philadelphia Press," in which, commenting on the recent Market street fire that excellent newspaper observes:

"Both fires illustrated also the danger that exists because the building codes in all our American cities provide almost exclusively for buildings which are to be built and leave existing dangers untouched. It is now eighty-one years since Stephen Girard left a fund to this city for the removal of wooden buildings within its limits, aware that every such building was a menace to all edifices around. It would be manifestly unfair to require buildings not up to present construction to be rebuilt, unless the city was prepared to pay for the cost, but it would be possible to require certain precautions which would prevent the rapid spread of a conflagration and cost little.

"A very small expenditure relatively in appliances to prevent the spread of fire in the elevators, in the requirement of a weekly test of the fire apparatus in the building and a prohibition, with adequate penalties, for leaving waste even for a night in the neighborhood of an elevator shaft, would have saved the Equitable Building, the lives that were destroyed and the serious interruption to all interests which this fire caused. Much could be done in this direction at small cost, and unless this is done every American city with its liable to a fire like that which despoiled the business center of Baltimore. Closer inspection and more rigid building code would have eliminated here the building in which the fire started on Market street. No such buildings should be permitted."

## THE FAULT WITH THE BUILDER, NOT THE MEDIUM.

The caption, "Why Concrete Fails," peers out at us so often in going over our exchanges that it has acquired the property of irritation. As a matter of hard, chilled fact, concrete cannot fail any more than can stone or brick or hollow tile or structural steel, when the aggregate is right and the reinforcing what it should be. Any one of these mediums is likely to fail in jobs that are scamped, just as every one of them has done so under precisely such circumstances. The building medium has not yet been discovered that may be guaranteed fool-proof or rogue-proof. The axiom that no structure is

stronger than its weakest part still holds good. Concrete construction in the hands of builders who understand it is equal to any other construction known to man. The few cases in which concrete has seemed to fail are cases in which the builder rather than the medium has been the weak point.

## A NEW YORK VIEW ON "SHOE-STRING" SPECULATIVE WORK.

An article on "Specification Writing" in "The New York Real Estate Record" presents some paragraphs of interest to readers who have been following "The Guide's" comment on "shoestring" operative construction. Speaking of the obvious impracticability of standardizing specifications, the writer remarks: "Its theory does not seem to work well in the case of smaller operations, such as speculative homes, mill, apartment, loft and some office buildings. The reason is that in some speculative work the best materials are not even wanted and careful 'rough work' is not expected in the great majority of cases. In such cases, especially during the last ten years, everything frequently is sacrificed to time and low cost. Speculative construction in New York to-day is like Vanity Fair: very pretty and over-dressed, but hiding within weakness and physical defects. Most speculatively constructed buildings also find their contours by the grace of steel and upon it, too, they find their main support. Styles run from hobble to hoop, depending upon the ability of their sponsors to provide sufficient standing room. They long retain the blush of youth, but when the span of greatest usefulness is run, age and depreciation come on apace. Indeed, so serious has become the tendency to sacrifice good workmanship in favor of time and cost that labor organizations and building material interests have already taken steps to prevent a continuance of this practice in so-called 'shoestring' operations in the future."

The plain truth is that in New York City, as here, the force of inspectors charged with surveillance of building operations is absurdly inadequate to the dimensions of the problem involved. And, as more than one of our subscribers has hinted within the past ten days, the regulations as well as the laws and ordinances upon which they rest, are hopelessly obsolete and ineffective as applied to present day constructive conditions.

When the game is advertising, specializing pays. You couldn't advertise hats in a brick magazine any more than you would advertise corsets in a tobacco trade journal. Selecting your medium depends on the class you aim to reach. If the class is architects or builders, your medium is "The Guide."

Elbert Hubbard says: "Advertising is the education of the public as to who you are, where you are, and what you have to offer. Not to advertise is to be nominated for membership in the Down-and-Out Club."



**T**HE rates for Electric Lighting to the liberal user of Electricity in the home are lower in Philadelphia than in any other city of the first class in this country. There is no excuse now-a-days, from the standpoint of expense, for any one living in a private residence not to use Electricity. All newly built houses pretending in any sense to be modern are wired now-a-days.

We can tell you where to find them.



## RUUD Automatic Gas Water Heaters

The Novelty of Yesterday  
The Necessity of To-Day

## HILL-CANTON Clothes Drying Cabinets

The Only Dryer that **Ventilates**  
and is Guaranteed Not to Turn  
Clothes Yellow.

LOW IN PRICE  
ECONOMICAL IN OPERATION

## BARTLETT & CO., Inc.

1938 Market St., Philadelphia  
MAKERS OF FURNACES AND  
RANGES SINCE 1843

### A PLAY IN THREE ACTS.

- Act I. Advertising.  
Act II. More advertising.  
Act III. Success.

## New Ideas, Materials and Devices

Innovations in Material and Equipment That Merit the Interest of Architect and Building Owner—A Running Resume of Novelties More or Less Recent.

### Sackett Plaster Board:

Sackett plaster board is a medium that not only takes the place of lath as a foundation for plaster, but that actually does the work much better than lath at relatively slight increase in cost. The manufacturers advance the claim for Sackett board that it is superior not only to wood but also to metal lath. Sackett board is made by the United States Gypsum Company, of New York, Cleveland, Chicago, Minneapolis, Kansas City and San Francisco, who will send descriptive literature on request.

### "Bayonne" Roof and Deck Cloth:

Here is a strong, tough, wear-resisting material for covering piazza roofs or porch floors that possess a number of qualities calculated to commend it to the trade. It is as easy to lay as carpet, requires but one coat of paint, wears better than the best linoleum and presents a neat and attractive appearance. Sample book, "W. G.," a copy of which may be had for the asking, furnishes detailed information concerning this very desirable fabric. Address John Boyle & Co., Inc., 112-114 Duane street, New York City.

### "Ariston" Syphon Jet Closet:

The "Ariston" syphon jet closet, made by Thomas Maddock's Sons Company, Trenton, N. J., has a number of sanitary features embodied that will meet with the approval of "nice" people. Among these

improvements are the sanitary rim, the increased water service, the deep seal, the lip front and cut back rim, the large opening through the trap and the height—just fourteen and one-half inches. Among the advantages of this closet may be mentioned the fact that it operates noiselessly, thus eliminating an embarrassing feature of the old type of closet in apartment and office buildings and that aided by a strong syphonic action it cleanses the bowl thoroughly each time it is flushed, using the same quantity of water as the ordinary type of closet. A post card request to Thomas Maddock's Sons Company, Trenton, N. J., will bring free descriptive circulars.

### Barrett Specification Roofs:

There is no longer any doubt in the minds of people who know that for covering the large structures, whether industrial or amusement, there is no roofing material before the public equal to the Barrett specification roof. Here is a roof that is easy to lay, adaptable to any type of roof, requires neither painting nor repairs and wears like iron; a roof that is fireproof, waterproof, weatherproof and acid proof. The first cost of laying the Barrett roof is very small and the unit cost less than one-quarter per cent. a year. Write for the Barrett Specification to-day, addressing the Barrett Manufacturing Company, Philadelphia, Pa.

## Recent Trade Literature

"Radiation," for November, 1911, the house organ of the United States Radiator Corporation, contains the opening article in what promises to be a notable series on "Scientific Management as Applied to the Heating Industry." An illustrated article on "The Land of Porcelain Stoves," by Marion McLaughlin, includes photographs of stoves of this material, showing, by the variety of their forms and decorations, the place they formerly occupied in the furnishings of the room. The serial articles on "Heating Buildings with Steam" and on "Fuel Draft" are continued.

\* \* \*

The standard requirements for asphalt and asphalt products, with examples of different uses, occupy several very interesting pages in a booklet being mailed out by the American Asphaltum and Rubber Company, 600-614 Harvester Building, Chicago, Ill.

A number of important buildings, all over the world, are illustrated in a recent pamphlet issued by the Ceresit Waterproofing Company, 129 South Clark street, Chicago. All of them are waterproofed with "Ceresit" and a long list of important jobs on which the material was successfully used is added to the convincing illustrations.

\* \* \*

Levels for architects and builders are listed and described in a catalogue issued by Keuffel & Esser Company, New York City.

\* \* \*

Silos without forms are described in the most recent catalogue of the Northwestern Expanded Metal Company, Old Colony Building, Chicago, Ill. The use of "Kno-Burn" Portland cement concrete is described and there are some useful illustrations.



## LUMBERMEN IN SESSION AT THE WALTON.

### Twentieth Annual Meeting of Pennsylvania Lumbermen's Association.

The twentieth annual meeting of the Pennsylvania Lumbermen's Association, comprising over 360 retail lumber dealers from all parts of the State east of Pittsburgh, will be held at the Hotel Walton to-morrow and Thursday.

The convention will be followed by the annual dinner at noon to-morrow, January 25, at which the speakers will be Mayor Blankenburg, Frank S. Katzenbach, Jr., and J. J. Milleisen.

Thomas Merritt will give a discussion of "Lumber Sheds and Method of Piling," and Theodore A. Mehl will speak upon "Yard Management." Motor trucks and methods of bookkeeping will be explained by a representative of the Packard Motor Car Company, and a representative of the U. S. Audit Company, respectively.

An open discussion is scheduled upon the topic of "Planing Mill in Connection with Lumber Yard." "Contractors" will be the subject dealt with by Harry J. Meyers. At the open meeting J. Danforth Bush will talk upon "Responsibility for Shipment and Delivery of Wholesalers."

After the dinner a meeting of the Board of Directors will be held. Officers for the ensuing year will be selected. The following directors will pass out of office this year: S. C. Creasy, Bloomsburg; T. J. Snowden, Scranton, and Fred S. Pyfer, Lancaster. Others whose terms expire are Mr. Palmer, the president; F. S. Pyfer, Lancaster, vice-president; T. J. Snowden, Scranton, treasurer, and J. Frederick Martin, Philadelphia, secretary.

## TECHNOLOGY CLUB TRIBUTE.

### Graduates of Boston Institute Entertain Visiting President.

Richard C. Maclaurin, president of the Massachusetts Institute of Technology, was the guest of honor on Saturday evening at the annual dinner of the Technology Club of Philadelphia at the Hotel Walton. President Maclaurin is on a tour of the eastern half of the country. A delegation of members of the alumni, headed by W. H. Blakeman, met him at Broad Street Station and escorted him to the dinner.

James Swan, president of the club, presided at the banquet, and the address of welcome was made by T. Coleman duPont, of Wilmington, who recently gave \$500,000 to his alma mater. President Maclaurin made a brief address, which dealt mainly with the proposed plans of moving the Institute of Technology from the heart of Boston to a location near Cambridge, on the Charles River. This plan was indorsed by the local alumni. Sixty-five members of the club attended the dinner.

## NEW METHODS IN TUNNEL BUILDING.

Henry Rapp, of New York, delivered an address before the Engineers' Club Saturday night on "Sub Aqueous Tunnelling," in which he described the construction of the Pennsylvania Railroad tunnels under the East River, at New York, of which work he had charge. Work such as that, he said, although completed in remarkably short time, will be made even more rapid in the future by the adoption of new methods and the employment of new implements. A general discussion followed the address.

## EVILS OF TOO CHEAP CORNICE WORK.

The galvanized iron cornice is a time honored accessory to the construction of buildings because of its adaptability in securing attractive architectural effects combined with economy and efficiency in withstanding long years of wear and exposure. These facts have given the sheet metal cornice its place in building construction, but unfortunately the scramble for contracts by an irresponsible element of the sheet metal trade has resulted in some cities in numerous loosely constructed, badly soldered cornices, displaying open seams, falling brackets, etc. These specimens of cheap and shoddy workmanship are scattered about with such frequency as no doubt to have created the impression among many architects and intending builders that other materials than sheet metal afford more permanent and reliable construction. Many reputable contractors in our field are thus made to suffer through incompetent construction practiced by other contractors in their immediate sections. This competition is furnished by a class of operators who possess very little business foresight or inside knowledge, or of the principles upon which the legitimate and profitable handling of sheet metal contracts is conducted. Their existence in the ranks of the trade is in every way a serious detriment to it, for, while individually they do not as a rule continue long in business for the reasons enumerated, their inferior output remains to challenge attention and comparison. We hope that reputable cornice makers who are inclined to be discouraged by the existence of such conditions will rather be on the alert to take advantage of the situation by urging upon their customers the sterling qualities of good sheet metal work, pointing out how essential it is to them to contract for a superior quality of construction.

At the same time a great many architects and engineers are not wholly blameless in this matter, as they are by no means educated to the necessity of using a sufficiently heavy gauge of metal for good cornice work, and are often lax in insisting that their specifications be strictly lived up to. These, then, are questions involving problems of organization and concerted action on the part of the sheet metal workers and manufacturers.—  
"The Sheet Metal Shop."

## MORE OR LESS PERSONAL.

F. G. Myhlertz, formerly engineer of Construction Bureau of Building Inspection, Philadelphia and clerk of the works for Messrs. Carrere & Hastings, New York City, has accepted the position as superintendent for A. Whitehead, the well-known contractor and builder, of this city.

\* \* \*

C. W. Stone has been appointed manager of the lighting department of the General Electric Company, to succeed C. D. Haskins, deceased.

\* \* \*

Frank H. Holden, Secretary of New York Chapter of Architects, states that the report of the committee to award medals for the best apartment houses of the year will be made soon after the first of the year. The members of the committee comprise Grant La Farge, Frank H. Holden, Commissioner John J. Murphy, Henry W. de Forest, Oswald C. Hering, D. Everett Waid, George B. Ford, Walter Blair, and James M. A. Darrach.

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Washington, D. C., January 16, 1912.

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JAMES KNOX TAYLOR,  
Supervising Architect.

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Summary of week ending January 20th, 1912:

Number of transfers.....	354
Amount of transfers.....	\$788,725.00
Cash consideration .....	277,375.00
Mortgage consideration .....	511,350.00
Ground rent consideration.....	441.00
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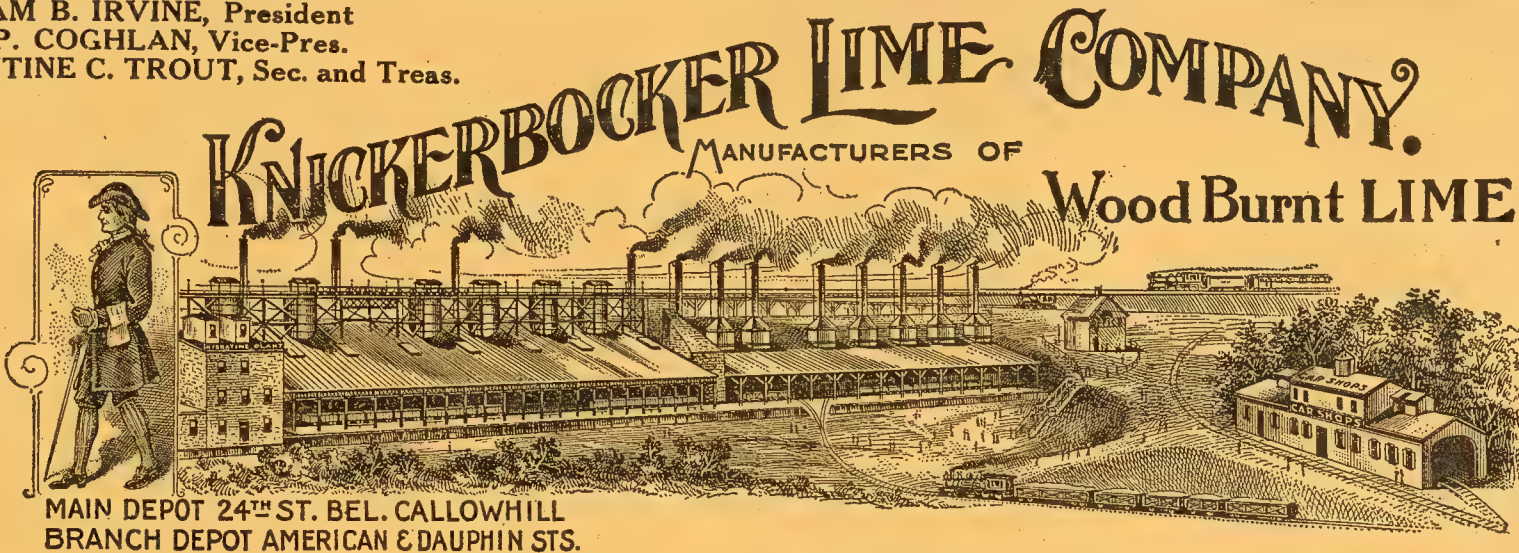
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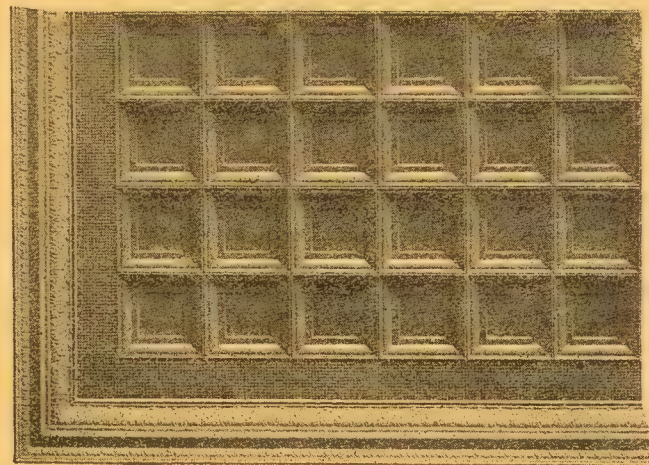
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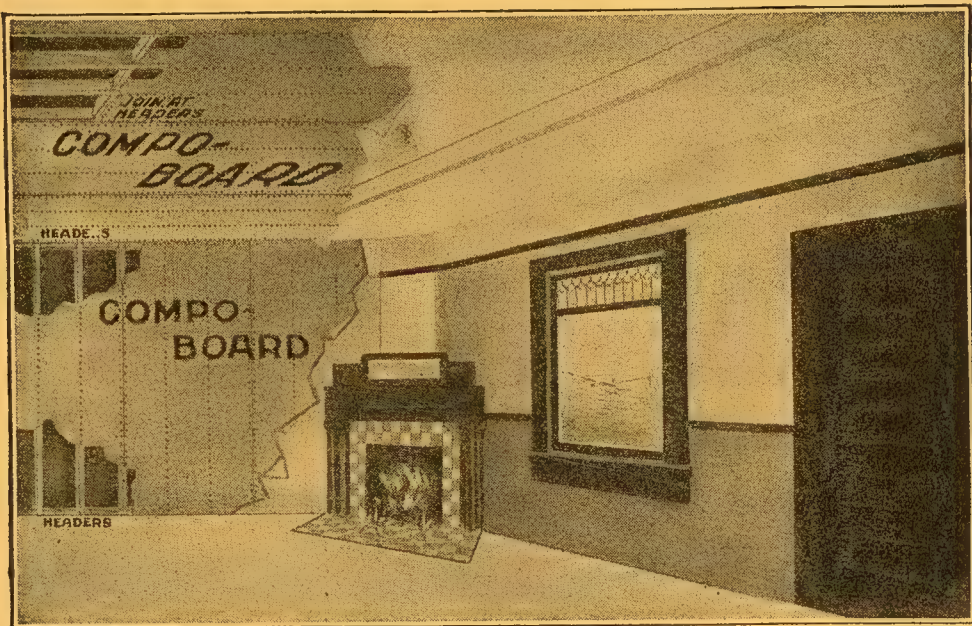
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# The Philadelphia Real Estate Record and BUILDERS' GUIDE

Containing Official Bulletin of the Master Builders' Exchange.

Vol. XXVII., No. 5.

PHILADELPHIA, WEDNESDAY, JANUARY 31, 1912.

Less than One Year  
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## Construction News

**New Operations; Architects and Owners; Cost Limit; Last Days of Filing Bids; Firms Figuring; Character of Material and Equipment Required; a Budget of Opportunities for Builders, Supply and Specialty Houses.**

**Residence, Moorestown, N. J.** Architects, Price & McLanahan, Sixteenth and Walnut streets. Owner, F. Wallace Armstrong, Moorestown, N. J. Tile and stucco, two and one-half stories, 25x70 feet. Slate roof, hot water heating, electric lighting. New plans in progress. Architects will take bids in about a week or ten days.

**Bank Building, 608 South Second street.** Architects, Seymour & Paul A. Davis, 1600 Chestnut street. Owners, Southwark National Bank, 608 South Second street. Brick and Marble, two-story addition. Steam heating, electric lighting. Architects ready for bids.

**Hydrotherapeutic Buildings (2), Norristown, Pa., \$8,000.** Architects, Baker & Dallett, 1629 Chestnut street. Owners, State Hospital for the Insane, Norristown, Pa. Brick, two stories, 20x45 feet. Slate roof, electric lighting, steam fitting. Plans in progress. Owners will take bids.

**School (alt. and add.), Glenside, Pa.** Architect, H. C. Wise, 34 South Sixteenth street. Owners, Board of Education, Cheltenham Township. Stone, two stories. Slate roof, electric lighting, steam heating. Plans in progress.

**Cottage, Stone Harbor, N. J.** Architect, H. L. Reinhold, Tenth and Sansom streets. Owners, South Jersey Realty Company, care of architect. Frame, two and one-half stories, 25x40 feet. Shingle roof, electric lighting. Plans in progress.

**Convention Hall, Broad and Allegheny avenue, \$100,000.** Architect, C. P. Berger, 1414 South Penn Square. Owners, City of Philadelphia. Frame and plaster, one story, 265x409 feet. Slag roof, electric lighting, steam heating. Owners taking bids, due February 8th.

**Houses (20), Pelham, Pa., \$8,000 each.** Architect and builder, F. C. Michaelsen, Land Title Building. Owner's name withheld. Stone and brick, two and one-half stories. Too early for details. Plans in progress.

**Residence (alt. and add.) for Offices, 1825 Chestnut street.** Architects, Bunting & Shrigley, 603 Chestnut street. Owner, Dr. William W. Speakman, on premises. Brick, two stories and basement. Slag roof, electric

lighting, steam heating. Architects taking bids, due February 3rd. The following are figuring: Smith Hardican Company, 1606 Cherry street; Doyle & Co., 1519 Sansom street; John Murphy & Co., 610 North Twenty-first street; H. M. Irwin, 1613 Ranstead street; Stacey Reeves & Sons, 160 Filbert street.

**Garage, Twenty-third and Chestnut streets.** Architects, S. Roberts, George U. Rehfuß & F. A. Hays, 1524 Chestnut street. Owner, Murray Gibson, 123 South Eleventh street. Brick, two stories, 95x120 feet. Slag roof, steam heating, electric lighting. Architects taking bids, due February 5th. The following are figuring: James G. Doak & Co., Crozer Building; William R. Dougherty, 1608 Sansom street; T. E. Trafford, 1613 Sansom street; Metzger & Wells, Heed Building; A. L. Fretz & Son, 1222 Chancellor street; Charles Gilpin, Harrison Building; J. S. Wilson & Co., 1125 Brown street; A. R. Raff, 1635 Thompson street.

**Club House, Philmont Station, Pa., \$60,000.** Architects, Magaziner & Potter, 137 South Fifth street. Owners, Philmont Country Club, Mint Arcade Building. Brick, two and one-half stories, 40x150 feet and basement. Slate roof, electric lighting, steam heating. Plans in progress. Architects will take bids in about one month.

**Factory Building (add.), Willard and Jasper streets.** Architect, Jacob Naschold, 723 Walnut street. Owners, Peerless Silk Hosiery Company, on premises. Brick, concrete, four stories, 59x43 feet. Slag roof, electric lighting, steam heating. Owners taking bids. The following are figuring: J. R. Jackson, Perry Building; James G. Doak & Co., Crozer Building; P. J. Hurley, 1233 Cherry street; Steward Brothers, 2526 North Orkney street; Joseph Bird Company, 213 North Eleventh street.

**Store and Residence, West Chester Pike, Highland Park.** Architect, F. H. Keisker, Perry Building, Sixteenth and Chestnut streets. Owner, Louis Reid, 720 Dickinson street. Pompeian brick, two and one-half stories, 34x45 feet. Tile roof, hot water heating. Plans in progress. Will take bids in two weeks.

**Residence, Wynnewood, Pa.** Architects, De-

Armond, Ashmead & Bickley, 618 Chestnut street. Owner, Charles A. Moore, Real Estate Trust Building. Stone, two and one-half stories, 26x40 feet. Steam heating, hardwood floors, shingle roof. Architects taking bids, due February 10th. The following are figuring: Metzger & Wells, Heed Building; George & Borst, 277 South Eleventh street; E. J. Hedden, 14 South Broad street; Henry Specht, Jr., Willow Grove, Pa.; George I. Croll, Bryn Mawr, Pa.; A. L. Fretz & Son, 1222 Chancellor street.

**Garage, 1311-15 North Watts street.** Architects, Sauer & Hahn, 1118 Chestnut street. Owner, Hon. Clarence Wolf, Empire Building. Brick and concrete, two stories, 51x60 feet. Slag roof, electric lighting, steam heating. Plans completed. Architects ready for bids.

**Alt. and Add. to Residence for Apartments, 3232 Chestnut street.** Architect, H. Taylor Smith, 6124 Jefferson street. Owner, A. Hartel, 3232 Chestnut street. Brick and stone, four stories. Slag roof, electric lighting, steam heating. Owners taking bids. John W. Emery, 1524 Sansom street, is figuring.

**Post Office, Union, S. C.** Architect, James Knox Taylor, Washington, D. C. Owner, U. S. Government, Treasury Department. Light gray pressed brick and stone, one story, 51x80 feet. Tin roof, electric lighting, steam heating. Owners taking bids, due February 27th. J. E. & A. L. Pennock, Land Title Building, are figuring.

**Post Office, Union City, Tenn.** Architect, James Knox Taylor, Washington, D. C. Owners, U. S. Government, Treasury Department. Terra cotta and brick, two stories, 48x66 feet. Copper roof, electric lighting, steam heating. Owners taking bids, due February 28th. J. E. and A. L. Pennock, Land Title Building, are figuring.

**Hotel (alt. and add.), Media, Pa.** Architect, Newton Flounders, Media, Pa. Owner, Alfred L. Hawkins, Media, Pa. Frame, three stories. Tin roof, electric lighting. J. P. Flounders, 1329 Arch street, is taking sub-bids.

**Factory, Easton, Pa., \$30,000.** Architects, William Steele & Sons Company, 1600 Arch street. Owner, John Crossley & Son, Easton,



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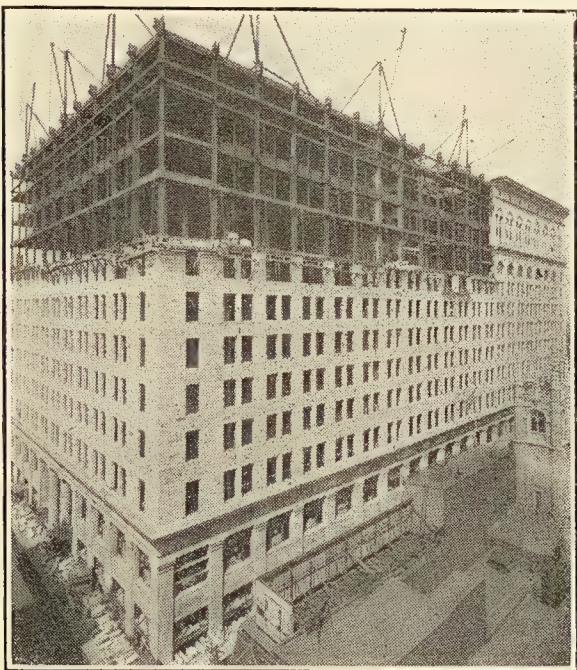


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**N. E. Cor. 22d and Wood Streets**

Alt and add. to Residence and New Garage, Atlantic City, N. J. Architects, Magaziner & Potter, 137 South Fifth street. Owner, Morris Haber, Atlantic City, N. J. Residence, brick and frame, three stories. Garage, frame, one story, 20x21 feet. Tin and shingle roof, hot water heating, electric lighting. Architects taking bids, due February 1st. The following are figuring: J. B. Flounders, 1329 Arch street; S. Headley, Atlantic City, N. J.; A. Whitehead, 1624 Latimer street; F. L. Hoover & Sons, Builders' Exchange; H. L. Brown, 1714 Sansom street; H. H. Wehmeyer, 1004 West Lehigh avenue.

Passenger Station, Valley Forge, Pa. Architect, William Hunter, Reading Terminal. Owners, Philadelphia and Reading Railway Company, Twelfth and Market streets. Stone, two and one-half stories, 25x63 feet. Platform and shelter sheds. Slate roof, steam heating, electric lighting. Owners have received bids.

Residences (4), St. Martins, Philadelphia. Architects, Duhring, Okie & Zeigler, Bailey Building. Owner, Dr. George Woodward, North American Building. Stone, two and one-half stories, 40x75 feet. Slate roof, electric lighting, hot water heating, hardwood floors. Plans about completed. Architects ready for bids.

Residences (2), Haverford, Pa. Architects, Duhring, Okie & Zeigler, Bailey Building. Owner, Dr. George Woodward, North American Building. Stone, two and one-half stories. Slate roof, hot water heating, electric lighting, hardwood floors. Plans about completed. Architects ready for bids.

Nurses' Home (add.), Norristown, Pa. Architects, Baker & Dallett, 1629 Chestnut street. Owners, State Hospital for the Insane, care of Richard Markley Steward, Norristown, Pa. Brick, lime, cement, lumber, millwork, hardware and slag roof and plastering. Two wings, 40x70 feet. Owners have taken bids on materials.

Residence, Wayne, Pa. Architect, Charles A. Platt, 11 East Twenty-fourth street, New York City. Owner, H. L. Clark, 321 Chestnut street. Stone, two and one-half stories. Plans in progress.

Theatre, Fifty-second and Market streets. Architect, W. H. Hoffman, Mint Arcade Building. Owner, Harry Davis, Pittsburgh, Pa. Brick and terra cotta, one story, seating capacity 3,000. Plans in progress.

Church, Fifty-first and Spruce streets. Architects, Thomas, Churchman & Molitor, 1309 Walnut street. Owner, P. E. Church of the Mediator, Fifty-first and Spruce streets. Brick and terra cotta, one story. Plans in progress.

Residence, Overbrook, Philadelphia. Architects, Thomas, Churchman & Molitor, 1309 Walnut street. Owner's name withheld. Stone, two and one-half stories. Plans in progress.

Reforming Building, Fort Mifflin, Pa. Architects, Bureau of Yard and Docks, League Island, Philadelphia. Owners, U. S. Government, League Island. Brick and concrete, one story, 62x40 feet. Slag roof, electric lighting. Owners taking bids, due February 17th. The following are figuring: H. E. Batton, Tenth and Sansom streets; Stetzer Engineering and Construction Company, Commonwealth Building; American Paving and Construction Company, 211 South Ninth street; Ed. Fay & Son,

1521 Ranstead street; Guernsey-O'Meara Co., North American Building; A. Whitehead, 1624 Latimer street.

Stable, Haverford, Pa., \$5,000. Architect, D. K. Boyd, Fifteenth and Walnut streets. Owner, A. A. Hirst, 211 South Sixth street. Stone, two and one-half stories, 23x42.6 feet. Shingle roof, electric lighting, hot water heating. Architect taking bids. The following are figuring: M. W. Young, Overbrook, Philadelphia; Metzger & Wells, Heed Building; W. H. Roberts, New Town Square, Pa.; J. D. Lingle, Wayne, Pa.; A. L. Fretz & Son, 1224 Chancellor street; W. D. Smedley, Narberth, Pa.

Hall Building, Camden, N. J. Architects, Heacock & Hokanson, Bailey Building. Owners, Free and Accepted Order of Masons, Camden, N. J. Brick and stone, terra cotta, 50x40 feet. Two stories, slag roof, steam heating, electric lighting. Architects taking bids, due February 5th. The following are figuring: H. C. Hinchman, 223 Arch street, Camden, N. J.; Turner & Stewart, Camden, N. J.; George Bachman, Camden, N. J.; J. S. Cornell & Son, Land Title Building; F. E. Wallace, 1211 Sansom street; R. C. Ballinger & Co., 218 North Thirteenth street; A. R. Raff, 1635 Thompson street; J. S. Rogers Company, Moorestown, N. J.; J. S. Pawling & Co., Broad and Vine streets; F. I. Hoover & Sons, Builders' Exchange; Appleton & Burrell, 1204 Chancellor street; Metzger & Wells, Heed Building; B. P. Evans & Co., Thirteenth and Wallace streets; F. A. Havens & Co., 845 North Nineteenth street; H. E. Batton, Tenth and Sansom streets.

Wash Building, Midvale, Pa. Architect, private plans. Owners, Midvale Steel Company, Midvale, Pa. Brick and concrete, two stories, 20x49 feet. Slag roof, electric lighting. Owners taking bids, due February 3rd. William Steele & Sons Company, 1600 Arch street, are figuring.

Residence (alt. and add.), 3817 Walnut street. Architect, Frank Seeburger, Pennsylvania Building. Owner, Mrs. Mary Rushton, care of architect. Brick, three stories. Architect taking bids, due February 1st. The following are figuring: J. W. Whelan, Witherpoon Building; Thomas Little & Son, 1615 Sansom street; F. W. Allison & Co., 1710 Rittenhouse street; Stacey Reeves & Sons, 1611 Filbert street; George W. Grover, Morton, Pa.

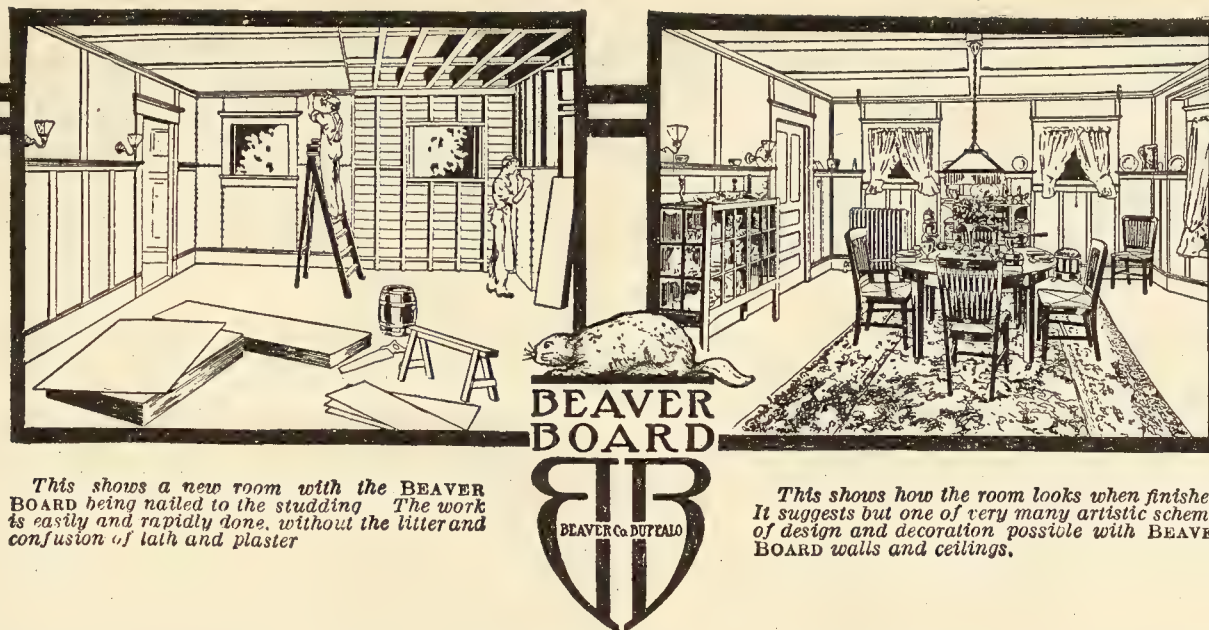
Bank Building, West Chester, Pa. Architects, Baker & Dallett, 1629 Chestnut street. Owners, First National Bank, West Chester, Pa. Brick and stone, two stories, 20x100 feet. Slag roof, electric lighting, steam heating. Preliminary plans in progress.

Residence, Chestnut Hill, Philadelphia. Architects, Brockie & Hastings, 328 Chestnut street. Owner, Charles L. B. Homer, North American Building. Stone, two stories, slate roof. Plans in progress. Too early for details.

Factory Buildings, Mt. Holly, N. J., \$100,000. Architects, Ballinger & Perrot, 1211 Arch street. Owners, the Otto Automobile Company, care Murrell Dobbins, Esq., President, City Hall, Philadelphia. Concrete, one and two stories. Slag roof. Working drawings about to be started.

Factory Building (alt. and add.), Sixth street, between Pearce and Moore streets.





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Architects, Ballinger & Perrot, 1211 Arch street. Owners, Ebert Furniture Company, 613 Moore street. Brick, three stories, slog roof, electric lighting. Architects have received bids.

**Hospital (alt. and add.),** Pottsville, Pa. Architects, Harris & Richards, Drexel Building. Owners, Pottsville Hospital. Brick and stone, three stories. Plans in progress.

**Club House (alt. and add.),** Manheim, Pa. Architect, Mantel Fielding, 518 Walnut street. Owners, Germantown Cricket Club, Manheim, Pa. Interior alterations. Plans in progress.

**Store, Office and Apartments (alt. and add.),** Coatesville, Pa. Architect, H. L. Reinhold, Tenth and Sansom streets. Owner, I. Goldberg, Coatesville, Pa. Brick, three-story addition, 20x25 feet, and interior alterations. Slag roof, electric work. Plans in progress.

**Office Building,** northeast corner of Seventeenth and Arch streets. Architect, J. T. Windrim, Commonwealth Building. Owners, Bell Telephone Company, Twelfth and Arch streets. Brick, steel and concrete, ten or twelve stories. Slag roof, electric work, steam heating. Plans in progress.

**Stable and Warehouse,** 506-08 North Orianna street. Architect, C. W. Lueder, 325 Green street. Owner, Louis Hillemann, on premises. Brick, two stories, 40x72 feet. Electric lighting. Slag roof, steam heating. Owners taking bids, due January 31st. The following are figuring: Irwin & Leighton, 126 North Twelfth street; P. J. Gaffney & Co., 130 North Twelfth street; Pennsylvania Construction Company, Pennsylvania Building; Koclow, Speth & Co., Twenty-sixth and Oxford streets. Note additional bidders and change of date for bids.

**Residence,** Merion, Pa. Architects, Druckemiller, Stackhouse & Williams, Land Title Building. Owner, E. J. Hedden, 14 South Broad street. Stone, brick and timber, two

and one-half stories, 35x75 feet. Slate or tile roof, hot water heating, electric lighting. Plans in progress. Owner will take sub-bids.

**Factory (add.),** Camden, N. J. Architects, Ballinger & Perrot, 1211 Arch street. Owner, Victor Talking Machine Company, Camden, N. J. Brick, steel, concrete, five additional stories, 90x175 feet. Electric lighting, steam heating, slag roof. Plans in progress.

**Store Building (alt. and add.),** southwest corner Twelfth and Walnut streets. Architect, private plans. Owners, A. B. Mathews & Co., 122 South Eleventh street. Brick and steel, electric lighting, steam heating, hardwood floors. Owners taking sub-bids.

**Alt. and add. to Rooms 332-33, Post Office,** Ninth and Market streets. Architect, private plans. Owners, U. S. Government, care of William McCoach, Custodian. Brick, iron and marble, electric lighting, steam heating. Owners taking bids, due January 31st. Sax & Abbott Construction Company, Hale Building, are figuring.

**Hotel,** South Penn Square, Philadelphia. Architect, Francis H. Kimball, 71 Broadway, New York. Owner's name withheld. Brick, steel and terra cotta, nineteen stories, 92x92 feet. Electric work, steam heating. Architect taking approximate figures, due February 5th. J. G. Doak & Co., Crozer Building, are figuring.

**Residence (alt. and add.),** Malvern, Pa. Architect, C. E. Schermerhorn, 430 Walnut street. Owner, Walter F. Klemm, 104 South Fifth street. Stone, two and one-half stories, and stucco. Extensive alterations, electric work, shingle roof. Plans in progress. Architect ready for bids.

**Convention Hall,** Broad and Allegheny avenue, \$100,000. Architect, C. P. Berger, 1414 South Penn Square. Owners, City of Philadelphia. Frame and plaster, one story, 265x409 feet. Slag roof, electric work, steam heat-

ing. Owners taking bids, due February 8th. The following are figuring: Stacey Reeves & Sons, 1611 Filbert street; Charles McCaul Company, Tenth and Sansom streets; George Hogg, 1624 Sansom street; William Steele & Sons, 1600 Arch street; M. P. Wells, Wither- spoon Building; Sax & Abbott, Hale Building; J. G. Doak & Co., Crozer Building; Doyle & Co., 1519 Sansom street; J. W. Emery, 1524 Sansom street.

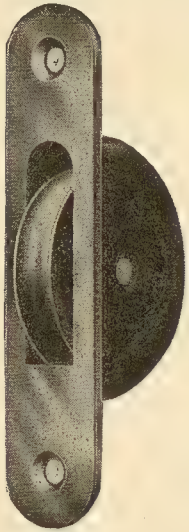
**Power House,** Reading, Pa. Architects, Peuckert & Wunder, 310 Chestnut street. Owners, Reading Brewing Company, Reading, Pa. Brick, concrete and steel, fireproof, red stretcher brick and terra cotta trimmings. Architects taking bids, due February 5th. L. H. Focht, Reading, Pa., is figuring.

An exhibition of the last work of the late Edwin A. Abbey, the American artist, was opened with the New Year by the Royal Academy at Burlington House, London. Such exhibitions are a signal honor, which the Academy grants only in the case of its most distinguished deceased members. The pictures selected for the exhibit were picked by Mrs. Abbey, with the assistance of members of the Royal Academy who were in close touch and sympathy with the work of her husband. Among the pictures are several sketches made preliminary to the paintings which Abbey did for the State Capitol of Pennsylvania at Harrisburg. After preparing the exhibit, Mrs. Abbey sailed for New York. The Abbey exhibit at Burlington House will be followed by an exhibition of old masters which will be the most important given by the Academy in recent years.



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## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man  
and Interior and Exterior Fitter.

**Residence (alt. and add.),** 1901 Spring Garden street. Architects, Magaziner & Potter, 137 South Fifth street. Owner, Morris Dannebaum, 1901 Spring Garden street. Stone and brick, three stories, interior alterations. Contract awarded to Chapman Decorative Company, 1502 Walnut street. Architects will take bids on plumbin, heating and electric work.

**Residence, Overbrook, Philadelphia.** Architects, Bailey & Bassett, 421 Chestnut street. Owner, E. L. Trustin, Crozer Building. Stone, 2½ stories, 30x55 feet, wing 30x55 feet. Shingle roof, hot water heating, electric lighting. Contract awarded to John R. Wiggins & Co., Heed Building.

**Factory (alt. and add.),** 27 North Seventh street. Architects, Sauer & Hahn, 1112 Chestnut street. Owner, A. E. Ford, care of architects. Brick, three stories. Contract awarded to Thomas Little & Son, 1615 Sansom street.

**Laundry Building (alt. and add.),** Ninth and Spruce streets. Architect, private plans.

**Owners, Pennsylvania Hospital,** Ninth and Spruce streets. Brick, one story, 19x50 feet. Slag roof, electric lighting, steam heating. Contract awarded to William R. Dougherty, 1608 Sansom street.

**Club house and Garage,** Twenty-third and Ludlow streets. Architects, Ballinger & Perrot, 1211 Arch street. Owners, Philadelphia Automobile Club. Contract for foundation awarded to Irwin & Leighton, Twelfth and Cherry streets.

**Sub Station, Bridgeport, Pa.** Architects, Stone & Webster, 147 Milk street, Boston, Mass. Owners, Philadelphia and Western R. R. Co., Sixty-ninth and Market streets. Brick, one story, 40x40 feet, electric lighting, steam heating, slag roof. Contract awarded to Jas. G. Doak & Co., Crozer Building.

**Alt. and add. to Building,** 417 Appletree street, \$5,000. Architect, private plans. Owners, Curtis Publishing Company, Sixth and Walnut streets. New front and interior alterations. Contract awarded to F. A. Havens & Co., 845 North Nineteenth street.

## Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

**H. A. Laughlin (O),** Germantown avenue and Chestnut avenue. Myers & Co. (C), 1001 Betz Building. Cost, \$2,500. Green house, 8860 Germantown avenue.

**J. J. Betz, Jr., Estate (O),** Betz Building. F. Fetz (C), 3863 North Seventh street. Cost, \$3,500. Dwelling, brick, three stories, 18x60 feet, Twenty-fourth and Fairmount avenue.

**N. Raidman (O),** 5944 Walnut street. Cost, \$8,000. Two dwellings, brick, two stories, 16x70 feet, Fiftieth and Chestnut streets. Cost, \$78,000. Twelve dwellings, 5944 Walnut street.

**W. Yerseskey (O),** 325 Tasker street. Abe Shestack (C), 528 Reed street. Cost, \$3,000. Dwelling, brick, three stories, 16x60 feet, Seventh and Siegel streets.

**Charles H. Eckman (O),** 2126 North Sixteenth street. Cost, \$5,500. Dwelling, brick,

three stories, 26x26 feet, Park and Cheltenham avenue.

**F. Shaw (O),** 315 North Fifteenth street. Carvan Construction Company (C), 5143 Irwin street. Cost, \$8,000. Dwelling, brick, three stories, 37x44 feet, Upsal and Wayne avenue.

**Grace P. E. Church (O),** Girard and Leidy avenue. F. L. Hoover (C), Builders' Exchange. Cost, \$25,000. Parish house, stone, two stories, 52x57 feet, Girard and Leidy avenue.

**Spreckels' Sugar Refining Company (O),** Reed and Meadow streets. Cost, \$100,000. Refinery, brick, seven and eight stories, 51x91 feet, Reed and Meadow streets.

**Louis Silverstein (O),** 778 South Third street. Cost, \$5,000. Store and dwelling, brick, three stories, 15x54 feet, 773 South Third street.

## Alterations and Additions

**Gustav Braun (O),** 4015 Haverford avenue. J. M. Holm (C), 5556 Arch street. Cost, \$550. Store and dwelling, 4036 Lancaster avenue.

**Henry A. Shenker (O),** 233 Market street. S. Schultz (C), 920 Moyamensing avenue. Cost, \$6,580. Manufacturing building, Eighth and Arch streets.

**F. F. Clayson & Son (O),** 1227 North Eleventh street. Stacey Reeves & Sons (C),

1611 Filbert street. Cost, \$500. Shop, 1227 North Eleventh street.

**Peter Cavanaugh (O),** 2936 Boudinot street. A. P. Hanwell (C), 2536 North Sixth street. Cost, \$1,800. Shed, 2936 Boudinot street.

**Louis M. Morris (O),** 1823 Green street. Cost, \$1,800. Apartments, 1528 Master street.

**J. H. Warthman (O),** 21 Pehlan road. McClintock & Weaver (C), 24 W. Phil Ellena street. Cost, \$1,300. Dwelling.



W. H. Horstman (O), Fifth and Cherry streets. A. M. Barclay (C), 113 North Sixth street. Cost, \$1,000. Warehouse, 419 Cherry street.

Louis P. McSorley (O), 740 North Twentieth street. Lam Building Company (C), 1001 Wood street. Cost, \$4,000. Store and dwelling, Twenty-second and Ridge avenue.

Angelo Barozzi (O), 1228 Ellsworth street. Cost, \$1,000. Store and dwelling.

H. Danielsorg (O), 2043 North Second street. Baker & Cohen (C), 968 North Seventh street. Cost, \$550. Dwelling and store, Front and Montgomery avenue.

John Lippincott & Co. (O), 1021 Walnut street. H. B. Carroll (C), 3140 North Sixth street. Cost, \$475. Dwelling and store, 2019 Germantown avenue.

R. L. Hans (O), 905 South Forty-ninth street. Cost, \$300. Apartments.

United Gas Improvement Company (O), Broad and Arch streets. James G. Doak & Co. (C), 1420 Chestnut street. Cost, \$1,500. Bridge, Fidelity Mutual Life Building.

St. Joseph's Hospital (O), Seventeenth and Girard avenue. James Johnson (C), 1721 Ludlow street. Cost, \$3,600. Hospital, Seventeenth and Girard avenue.

Abrasive Metal Company (O), James and Fraley streets. Metzger & Wells (C), Heed Building. Cost, \$13,000. Siding. Cost, \$12,000. Factory, brick, one story, 44x68 feet. Cost, \$57,000. Factory, brick, one story, 123x348 feet.

Philadelphia Trust and Safe Deposit Company (O), 413 Chestnut street. P. Sevar (C), 718 Snyder avenue. Cost, \$750. Stores, 11 North Juniper street.

J. Puffer (O), 311 North Third street. S.

Yeller (C), 616 North Seventh street. Cost, \$1,200. Laundry, Eleventh and Norris streets.

Haughin & Smith (O), 406 Walnut street. J. M. Daniels (C), 252 South Juniper street. Cost, \$500. Office, 406 Walnut street.

J. N. Dick (O), 21 South Seventh street. Chris H. Hoffman (C), 346 South Fourth street. Cost, \$325. Factory.

Bainbridge Brothers Company (O), 400 Market street. Smith Hardican Company (C), 1606 Cherry street. Cost, \$1,200. Stores, 602 Market street.

Spreckles Sugar Refining Company (O), Reed street wharf. Cost, \$400. Factory, Reed street wharf.

J. & B. Allen (O), 4980 Shelden avenue. James Warner (C), 35 South Seventeenth street. Cost, \$1,500. Manufactory, 4980 Shelden avenue.

A. E. Ford (O), Twenty-fourth and Wood streets. Lam Building Company (C), 1001 Wood street. Cost, \$12,000. Factory, 1430 Callowhill street.

Pennsylvania Company (O), 517 Chestnut street. H. R. Rust (C), 724 Ludlow street. Cost, \$1,200. Store, 222 North Delaware avenue.

N. Barrack (O), 2057 Newcomb street. J. Domensky & Co. (C). Cost, \$520. Store.

W. J. VanLoan (O), 2141 North Sixth street. Thompson Brothers (C), 123 North Fifth street. Cost, \$700. Store, 2143 Diamond street.

Curtis Company (O), Sixth and Walnut streets. F. A. Havens & Co. (C), 845 North Nineteenth street. Cost, \$3,000. Warehouse, 417 Appletree street.

Girard Estate (O), Stephen Girard Build-

ing. Pomeroy Construction Company (C), 1609 Ranstead street. Cost, \$4,000. Laundry, Girard College.

R. S. Mander (O), Eleventh and Washington avenue. William Laner (C), 939 Paxon street. Cost, \$500. Building.

Rocci Di Bisso (O), 1033 Master street. W. H. Paul (C), 1025 Oxford street. Cost, \$600. Warehouse, 1035 Master street.

J. Goldhirsh (O), 1626 South Seventh street. S. Kat (C), 208 Reed street. Cost, \$500. Store and dwelling, 1714 South Seventh street.

Harry Levin (O), 519 South Eleventh street. Joseph Farbstein (C), 908 Walnut street. Cost, \$975. Store and dwelling, 505 South Eleventh street.

S. Perea (O), 3101 Germantown avenue. C. J. W. Platt (C), 1015 Arch street. Cost, \$500. Store and dwelling, 3101 Germantown avenue.

Fairmount Park Transportation Company (O), West Park, Philadelphia. Babrock & Wilson Company, (C), Bayonne, N. J. Cost, \$1,000. Boiler house.

Solomon Zitomesky (O), 1911 South Sixth street. N. Litman (C), 2332 South Tenth street. Cost, \$1,880. Dwelling and store, 2026 South Fifth street.

H. Cohen (O), 2604 North Twenty-ninth street. E. Rieben, 2632 West Cumberland street. Cost, \$950. Store and dwelling, 2602 North Twenty-ninth street.

Max Weitner (O), Green lane and Manayunk avenue. C. M. Swarthley (C), 427 Hermitage street. Cost, \$1,000. Dwelling.

Elizabeth W. Fallon (O), 1417 Girard avenue. C. R. Strode & Sons, 12 North Nineteenth street. Cost, \$1,100. Store buildings, 20 North Fifth street.

## BUILDING LAWS TO SAFEGUARD THE PUBLIC

### Suggestions from the Viewpoint of the Practicing Architect on a Subject of Timely Interest to the Public and the Building Trades.

[Written expressly for the Builders' Guide by C. E. Schermerhorn]

The laws for the prevention of crime are so numerous and in many cases of such stringent type, and their enforcement by capable and efficient officers so frequent as to cause evil doers to have a general knowledge in advance as to the penalties they are likely to incur. Furthermore, offenders against the criminal code have come to realize that conviction is more or less a matter of certainty. With fully conceived building laws, municipal and state, designed to safeguard the public, we have failed to provide an adequate, painstaking or sufficiently conversant force of inspectors to create respect for or to enforce these laws, and to this deficiency can be directly charged much loss of life and frequent injury to limb. To be truly effective our building laws need to be enforced as are our criminal laws.

It being part of the duty of an architect to note the need of or the lax use of provisions for the safety of our citizens, the following comments relative to our building laws are made for what they are worth, looking to the public welfare.

The necessity for enclosing stairs and elevators, in old and new public or semi-public buildings, is of more importance as a safeguard to life than it is for the mere reducing

of fire insurance premiums. The laws relative to fire-escapes, in my judgment, should be more generally confined to enforcing the construction of fire-tower staircases. Even granting that an external fire-escape is available during a fire, one has only to note the frequent and heartrending cases in which human beings have been grilled before a gathering throng of spectators for the reason that egress has been in the path of openings where the flames lapped up those seeking escape at a time when they were in a promising position for safety, because they could not pass the flames, or grasp the hot rails or rungs of the stairway or ladder.

Despite the attempts made to properly inspect the construction of fire-escapes, it is to be remarked that in times of panic, when they are most urgently required, their failures are legion. Some are found to be insecurely attached or improperly or inefficiently constructed, or damaged by exposure to the elements for want of proper attention; in certain cases balancing weights are found to be faulty or inoperative; and not infrequently the steps are found to terminate in a blind alley or court where the fugitive is worse off than in the position he has just vacated. The

safety of the people demand that fire-escapes shall be safe not only as to life but as to injury as well. We must have a heat and smoke-proof as well as a fire-proof emergency escape. The ability and thoroughness of our modern flame-fighting machinery should not receive the brunt of this necessity.

Some of our commendable fire-towers are actual sources of danger and are of little use for an emergency, because of the careless littering of the platforms, landings, steps and obstructed doors. Others, because not habitually used, are, in times of danger, overlooked or forgotten. In some cases, the fire-tower is useless because of the absence of proper pilot or other lights on circuits independent of the other lights on the premises.

Close and serious inspection should be made of all types of interior staircases to note the stability of the rail supports, or the absence here and there of a rail, or the location of dangerous rubbish piles on, near or under the stairs and the improper piling of wares close by the direct means of egress. In public houses, staircases should be enclosed to prevent panic-stricken people from leaping over the baluster to the injury of persons below. The uniform height of risers should receive consideration and winders should be strictly prohibited.

No more vicious condition can be encountered than the customary exit door from any store, factory or public building opening toward the inside. So many cases, serious in results, due to this defect, are before the public as to make further comment unnecessary. All



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of us have noticed, from time to time, the many instances of obviously dangerous and delapidated chimneys, some of them with bricks ready to drop upon the slightest provocation to maim or kill the pedestrian. Then, too, we have cornices, balconies or similar appendages to buildings, whose original fastenings to the structure have long since outlived their purpose and are a constant menace to our willing and brave fire-fighters, our carpenters, painters and other mechanics. The supporting members of the overhead elevator operating devices and tank supports should be under constant surveillance.

There certainly is no more evident danger than a weak, leaning or defective enclosing wall, yet many exist, and there are innumerable cases where the original mortar joints are only suggestions and the stability of the wall merely a matter of weeks, not months. Increasing the height of old walls or burdening them with additional weight is a matter for grave deliberation.

The inspection and observance of the effects of vibration, acids, moisture, strayed electric currents, and other elements tending to weaken or destroy structural steel members, either alone or as reinforcing factors in concrete, are entirely too lax. There is also much carelessness in observance of the proper, efficient and uniform mixture of the aggregates forming concrete for structural purposes.

In the erection of brick, masonry, hollow tile or hollow block construction, the pernicious habit of "building in" woodblocks, strips, etc., for ground-receiving purposes, should be strictly prohibited by the building codes and by fire-underwriters, as their use is a commonly recognized cause of serious shrinkage, and also a conceded cause for many failures of structures under the action of fire. In fact, the use of wood in any form in fire-proof buildings should be legislated against.

Many buildings throughout the country, for want of proper ventilation afforded to the supporting wood girders or joists, have gone through the serious process of decay termed "dry rot;" and there are cases where occupants of dwellings, factories, warehouses, public halls and similar buildings are in total ignorance of the serious dangers with which

they are confronted from this cause, as such timbers are often practically on the verge of collapse. In many instances the supporting members are obscured from view owing to the fact that they are floored and ceiled in; in other case they are close to the ground or are bridged over unused and unventilated cellars and basements. No pains or expense should be spared to examine the bearing of timbers close to or in the walls, as the best evidence will be first obtained in these localities.

Carelessness in properly safeguarding the approaches to street or other excavations, man-holes, etc., is apparent almost daily. When it is necessary to open the center of a street or to repair track inter intersections, in the so-called "fire-belt," the nearby fire companies should be promptly notified, so that the drivers of the various types of fire apparatus can choose other routes when they are called out; thereby avoiding confusion, accidents and serious delays in arriving at their emergency destinations. All character of excavations when in treacherous soil, of excessive depth or adjacent to other buildings, should be most carefully timbered.

Hurrying the plastering of structures without proper supervision as to the security of the wooden or metal lath, the proper mortar mixture key, etc., is a matter for serious concern. Inspectors should be qualified by experience to pass upon such defects, especially in connection with tenements, apartment houses, schools churches, hospitals and theatres. Frequently the quality of the brown coat, or the neglect properly to apply the scratch coat, is the cause of failure; and freezing is another element in plastering which requires attention.

The secure attachment of applied ornamental ceiling decorations and cornices, should have more than a cursory inspection, inasmuch as patent plasters have special requirements as to their application which must be observed to produce safe results.

Who has not seen painful accidents occur from protruding gas, water or drainage vent boxes on our highways; who has not tripped over a projecting cellar or area door enclosure, or perhaps nearly fallen headlong into areas devoid of the required protections? These are all matters of neglect or indifference.



The improper or excessive loading of floors beyond the capacity of the foundations, the walls or the floor construction, is a frequent cause of calamity, due to an ignoring of the condition or weight of the material which is being moved or stored. In such cases observations should be carefully made to see that all excessive loads are kept away from framed openings such as stairs and elevator or other shafts, and that the heaviest weights are kept close to the wall, as well as that they never exceed the calculated safety factor of the construction.

Guarding against spontaneous combustion does not receive sufficient attention. Even the peaceful surroundings of a flour mill can produce an explosion and a fire as destructive in its results as one in a powder mill, if the air becomes laden with the minute particles and ignition takes place. Similar results are likely from coal dust, meal, starch and gasoline.

The many fatalities attendant upon motion pictures exhibits demand that there shall be constant supervision against carelessness by the operator, as well as a proper booth constructed for the apparatus, both as to material and size, with care to avoid unnecessary use of bare flames.

There are other safety measures of equal importance to fire-resisting construction; a theatre, or an auditorium, which is combustible, which has wooden staircases, and which lacks fire-extinguishing appliances, may yet be so planned and arranged as to afford the public perfect means for quick escape from smoke and fire and under certain conditions be safer than so-called fireproof construction.

In the case of fire or panic, the chief and essential conditions for the safety of human beings are first, "fresh air,"—to prevent suffocation by smoke and gases, and exhaustion by the heat of the flames; second, "light,"—for darkness leads to confusion, frantic struggles and crushes; and third, plenty of "unobstructed exits" leading to outdoors, for the lack of proper exits, and the presence of obstructions in passageways or on stairs lead to jams and are the cause of many violent deaths. Fire protection should require stairs leading to exits to be smoke-proof; aisles to be kept free and unhampered, increasing in width towards exits and free of steps,—planned with gradients or inclines, excepting in upper tier where this is generally not practical. In theatres special inspections should be made in the nature of actual tests of the gas-piping, of the electric appliances, of the water and fire-extinguishing appliances, efficiency of the stage ventilators, or the fire alarm apparatus, the lightning-rod protection and all other means for the protection of players and the stage personnel.

The great laxity in the proper construction or maintenance of scaffolds, derricks, block and tackles, walk protections and cat-heads and the use of insecure ladders, material-lifts, etc., in the construction of new or the alteration of old structures, together with the carelessness displayed in the raising or demolition of buildings, should be carefully guarded against.

All types of signs should be frequently in-

spected as to their security. They present so many chances of accident, and yet so few valid reasons, for commercial use, that it would seem they could well be dispensed with thereby safe guarding the public while incidentally aiding in an attempt to dignify our thoroughfares.

C. G. SHERMERHORN.

### CARE OF HARDWOOD DOORS.

When unfinished hardwood doors are placed in a damp room they quickly absorb any moisture in the air, consequently expand or swell, and when they return to normal conditions (that is, when the moisture dries out) the doors are warped and the joints open. This can easily be prevented by a little precaution and care in handling the doors.

All doors are shipped "in the white" (unfinished), and moisture must not be allowed to penetrate the doors. As quickly as possible after receiving the doors have your finisher give them at least one coat of filler, and immediately after fitting the doors, paint or shellac the top and bottom edges.

Front Doors.—Before the glass is set, fill the doors and varnish with at least two coats of the best exterior varnish. Moulding around glass should be removed and two coats of shellac applied. Glass should be bedded in putty.

Don't hang your doors in a damp, freshly plastered building. This refers not only to doors, but to all kinds of fine interior finish. Mortar contains large quantities of water, and until the moisture has dried out of the walls the building is in no condition to receive hardwood doors or fine interior finish. A manufacturer cannot be blamed for defective work if the goods upon which every care is exercised in the making are not properly handled at the building. Artificial heat to help dry out the building before hardwood doors and fine interior finish are put in, is always advisable.

If the above suggestions are carried out, every standard hardwood veneered door can be relied on to stay perfect and prove a lasting thing of beauty.—"American Carpenter and Builder."

### MODERN GAS LIGHTING.

Modern gas lighting had its beginning about thirty years ago in the introduction of the Welsbach burner, and this has again been recently improved by the invention of the inverted mantle burner.

Besides the great improvements in economy, quality of illumination produced and appearance of fixtures, modern gas lighting also includes equally important strides in the way of convenience. The old method of lighting a gas flame with a match or lighter is now as out-of-date as the flame itself. The modern method of lighting and extinguishing is either by means of the "by-pass" or the electric ignition system. The "by-pass" is simply an arrangement by which a tiny "pilot" flame is kept burning when the lamp is turned out. This has the very great advantage of indicating by its own light the location of

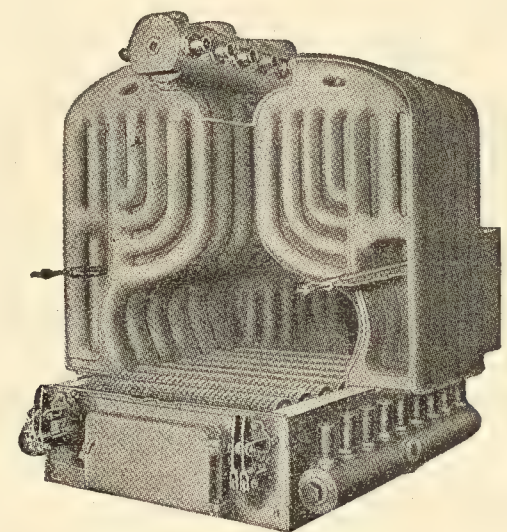
the lamp, so that there is no need of fumbling around in the dark to find the place where the light is to be turned on. The electric method permits of the lights being turned on or off from any distant point. With these improvements gas now possesses equal convenience with any other illuminant.

The gas mantle also has been greatly improved within a few years, so that the best mantles now made are much tougher and last longer in use. In many cases an inverted mantle will last two years.—B. F. Hamerstrom in "Illuminating Engineer."

The man with an idea can't reasonably expect the world to look him up. To be recognized as a public benefactor he must make his idea known. Here is where advertising comes in. The man who fails to advertise is like the man who shoots in the dark. He may hit something. But the chances are about one hundred to one that the something will not be that at which he was hoping to aim.

When business is dull—advertise. When it is good—advertise. And don't damn all advertising because yours doesn't pay. The fault may be with your "ads" or with your methods as much as with the medium. The best proof in the world that advertising is a paying proposition is to be found in the fact that every successful man you know is an advertiser. If it didn't pay, do you suppose for one minute men of this calibre would continue to waste money on it?

Are you aware that "The Guide" prints every week more real, live, readable, up-to-the-minute stuff about architecture and building than any two of its more pretentious contemporaries? Fact, just the same. Compare 'em and see.



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How Uniform Dimensions Were Estab-  
lished in England Long Ago.

Taxation is responsible for the standard size of bricks, and if they were generally larger it would save time and labor, contractors say.

In England, when bricks were first made, and up to sixty or seventy years ago, there was a tax on bricks. To evade this, bricks were made of larger and larger sizes. These were used for cellars and other concealed places. To stop this fraud, an act was passed in the reign of George III fixing the legal size of bricks. Early in Queen Victoria's reign the tax was taken off and bricks may

now be legally made of any size whatever. But any change from the standard size would bring about great inconvenience. All calculations are made for building on this standard size, and the London and other building acts have practically fixed it.—“Keith's Magazine.”

If we don't carry your trade announcement during 1912 you will be denied many business building opportunities that should be yours in the coming year. Let our Mr. Sonneborn tell you something of the “Guide's” epoch-making “Co-operative advertising service.”

### REINFORCED CONCRETE AS A SOUND DEADENER.

The charge has been made against reinforced concrete that it transmits sound too readily, and is therefore not adaptable to dwellings, halls, etc. The sound waves penetrating into a solid body are propagated with less loss, the more homogeneous a body is. The various degrees of sonorousness are only functions of the surface hardness of the body which receives the sound waves. Thus wood transmits sound less than iron, because it reacts less to the activity of the shock as the sound waves strike it. The same applies to reinforced concrete. It is much less sonorous than iron, and reinforced concrete reacts infinitely less to the action of the sound waves than any other material. Concrete is of such a heterogeneous composition that it does not take up the sound waves that strike it, and therefore, does not send them along as iron does. If there are any transmitted, they are transmitted in such a bad form that they have no influence at all upon the acoustic qualities of a room. Perfect deadness to

sound can be obtained much more easily in a concrete building than in an iron one. It is only necessary to interpose a very thin body between the concrete and the sound to get this condition. A simple linoleum placed upon the floor of a concrete building is sufficient to insure perfect deadness to sound. This is impossible to obtain in a frame structure. However, care must be taken to avoid cement or brick floors placed directly over reinforced concrete floor beams, for the change of medium in this case will transmit sound and counteract the good effects of the concrete. There is no reinforced concrete construction that cannot be made sound-proof with a little care and thought. On the other hand, it is impossible to reach complete deadness to sound in construction where the metal is the predominating element. Iron transmits sound so perfectly that it is next to impossible to reach the desired effect as can be done in reinforced concrete.—Le Ciment Arme.

### PLAIN WALLS.

The manufacture of wall papers was introduced into this country in 1790, but very little of it was produced until after the first machine for printing the paper was put up in 1844. What the ever-increasing output has been since then most of us know—enormous in quantity, but to a great extent utterly lacking in artistic quality. And now, after its long and fertile reign, it looks as if wall papers would have to contest the field with the plain plaster wall it used to hide. But those who would return to this starting point are confronted by the difficulty of finding a plasterer who knows how to rough-finish a wall; for the art was lost during the years when his highest ambition was to finish his surface faultlessly smooth, that it might receive the paper without the minutest unevenness. This demanded skill, but it was a skill without character or personality—a machine roller imparts the same effect to asphalt. At the same time the interior of the house lost in structural interest as much as it gained decoratively, for the architects had to refrain from letting the half timber of gable ends, roofs, or side walls show through on the inside as the old builders did. Any one who has lived in one of these old houses feels that these beams give pattern and variety enough to the interior and that it would be a pity to hide them and the intervening plaster spaces under monotonous machine-stamped paper. Even where no structural frame shows through, a broad expanse of rough plaster wall is very satisfying to look at, both for its frownish tone and its delightful texture. We know some people who spent a small fortune on tapestry, then on antique leather, then on old brocade, for the space above their paneling, only to come back at last to rough plaster. But it took more time to get a plasterer to give just the texture wanted than it had taken to secure their various antique coverings.—“House Beautiful.”





Architects  
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## Philadelphia Chapter Notes

In accordance with the regularly established custom, the January meeting of the Philadelphia Chapter was given up principally to a full discussion of the work accomplished by the Institute at the 45th annual convention in Washington.

Previous to that part of the business, however, the Committee on the Preservation of Historic Monuments, through Mr. C. A. Ziegler, Chairman, reported that his committee and the city authorities of Philadelphia have concluded arrangements for the restoration of old Congress Hall, at Sixth and Chestnut streets, and that the first contracts for some of the work have already been signed.

Other committees reported routine work and the President of the Chapter, Mr. John Hall Rankin, announced the appointment of the committees as appended hereto for the year 1912.

The consideration of the convention proceedings was then taken up and was opened by a written report, presented by Mr. D.

Knickerbacker Boyd, one of the delegates to the convention, which report went into minute description of the three days' work and formed the basis of the subsequent discussion by the members present.

Mr. Frank Miles Day gave his impressions of the work accomplished during the past year by the Institute and spoke particularly of the progress made in the regulation of competitions under the present Competition Code.

Mr. Albert Kelsey made a verbal report on the convention and Mr. William L. Plack presented a written report, which with the others was ordered filed.

Further discussion was taken part in by Messrs. Ziegler, Medary, Crane and others of the members present, many of whom had attended the convention in Washington and were much impressed with the harmony which prevailed there and with the satisfactory disposal of the many matters of importance which came before the convention.

### Committees of the Philadelphia Chapter for 1912.

Admissions—A. H. Broekie, Chairman; Thomas M. Kellogg, William L. Baily, Albert Kelsey, E. Perot Bissell.

Biography and History—E. A. Crane, Chairman; C. Z. Klauder, George I. Lovatt, William L. Plack.

Competitions—J. H. Rankin, Chairman, ex-officio; W. D. Hewitt, M. B. Medary, Jr., H. W. Sellers, W. H. Thomas.

Education and Program—P. P. Cret, Chairman; W. P. Laird, C. C. Zantzinger, J. P. B. Sinkler, A. H. Granger.

Chapter Jury—E. A. Crane, F. M. Day, Albert Kelsey, P. E. Paist, Edgar V. Seeler, J. P. B. Sinkler, P. P. Cret, J. McArthur Harris, M. B. Medary, Jr., H. W. Sellers, J. T. Windrim, C. W. Churchman.

Municipal Improvements—F. M. Day, Chairman; C. L. Borie, Jr., Albert Kelsey, George B. Page.

Preservation of Historic Monuments—C. A. Ziegler, Chairman; F. M. Day, H. W. Sellers, T. M. Kellogg, E. L. Stewardson, George C. Mason.

(Continued on page 87.)



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### ARCHITECTURAL LEAGUE OF AMERICA (Organized 1899)

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## PHILADELPHIA CHAPTER A. I. of A.

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### POPULAR INTELLIGENCE AS GAUGED BY THAT LINCOLN HIGHWAY IDEA.

That there should be the slightest suggestion of necessity to point out the ludicrous impropriety of building an automobile speedway to the memory of Abraham Lincoln is, in itself, discouraging to preconceived ideas of our boasted American intelligence. By what recondite, not to say occult, mental processes the great Civil War President may be associated with a roadway for the benefit of goggled persons intent upon breaking speed regulations between Gettysburg, Pa., and Washington, D. C., it is difficult to figure. If Lincoln had been a Barney Oldfield or any one of a dozen other nerveless individuals who might be mentioned addicted to the annihilation of space and the syncopated chug-chug of exploding gasoline, the idea of a national "Lincoln Highway" might have found some justification. As it is, the very suggestion is so repugnant to every accepted idea of the great emancipator as to amount to a positive indictment of Congressional intelligence. That it should be necessary, in the premises, for bodies such as the American Institute of Architects to enter protest at all must strike the educated European as more or less amazing. But then, on the other hand, what may reasonably be expected of a Congress, one of the committees of which was guilty of the unpardonable stupidity of classing the American Institute as "a trust"? The fact that men so lacking in a rudimentary order of intelligence may aspire to Congress at all is, in itself, sufficient to shake one's faith in popular rule. In the meantime, let us hope that a lucid interval may intervene to prevent so preposterous a perversion as the proposed "Lincoln Highway."

### THE CEMENT AND CONCRETE IN- DUSTRIES AND EFFECTIVE ADVERTISING.

What may be accomplished by advertising under proper direction is shown nowhere more strikingly than in the amazing and well nigh phenomenal growth of the cement industry. Here is a field of manufacture, comparatively modern in its evolution, which in 1910 reached the enormous total of 76,500,000 barrels, a field which from a small beginning has grown to proportions threatening the long established supremacy of older mediums. How has this astonishing growth been brought about? Primarily,—by advertising. After all has been said that remains to be said of the enterprising spirit which prompted the cement interests to retain the highest grade of talent available to develop the uses of cement as a constructive medium, the one fact which stands out in bold and uncompromising relief is that this growth has been due over and above and beyond all other agencies to the tireless, persistent and effective use of printer's ink. While the clay and stone industries have been sleeping the sleep of a fancied se-

curity the cement interests have been systematically and methodically plugging away with the result that to-day concrete and cement, having passed safely the experimental stages, often fatal to new ideas, loom large and dominantly on the horizon. One of the most effective of the many moves made in the campaign whereby this result has been brought about are the Annual Cement Shows which have been held at regular periods throughout the country.

The second annual affair of the kind to be held in New York City opened at Madison Square Garden on the 29th and will close February 3rd. In the show practically every phase of cement and concrete down to its final ramifications will be given the most favorable exploitation. Visitors will be attracted from every State in the Union. Catalogues, booklets and trade literature will be distributed covering every use of which cement is possible, whether as medium or accessory. Enterprising manufacturers will be represented by exhibits, costing thousands of dollars. Should it be a subject for wonder in the circumstances that cement has attained and continues to improve upon its marvellous record of growth?

There is a very ancient adage to the effect that nothing succeeds like success. Success being in a preponderant degree dependent upon advertising, this ancient adage might be rewritten to read: "Nothing succeeds like—advertising." To the doubting Thomas who would question this, there is at hand a most convincing and incontrovertible argument. It is—cement!

Did you know that "The Guide" had an Information Bureau in its offices in the Perry Building? And that this bureau is prepared to answer any reasonable question, without cost to you, covering matters of building trades interest? Fact, just the same. When next you want to know something, just call up.

You can reach with an inch ad. 5000 readers of "The Guide," every one of whom is interested in your proposition, at a cost of 96 cents a week. To reach the same clientele with circulars would involve, for postage alone, an outlay of \$50. Just \$49.04 difference. See the point?

### A SUGGESTION FOR THE REBUILD- ING OF CITY HALL.

The suggestion advanced by President McCurdy, of Common Council, that space be reserved in the new Temple of Justice on the Parkway for the various city departments now crowded into City Hall is a good one so far as it goes, but—does it go far enough? Why not go at the problem practically and do now what should have been done in the first place and must be done ultimately, and that is to build the City Hall at least four or five stories higher? If the foundations are all that has been claimed there can be no



difficulty on that score, and while the additional stories may not mitigate to any appreciable extent the glaring ugliness of Philadelphia's boasted municipal building, they cannot, in any event, add anything to it. Here is a proposition worthy the steel of Philadelphia's new Municipal Art Jury. Build up the present City Hall. By this means the cramped working force in the building will gain needed space for the city's vastly enlarged municipal activities and the City Hall itself be relieved of the ridiculous appearance it now presents of an obselete dwarfed structure hidden upon all sides by towering skyscrapers.

### METAL VS. SHEET ROOFINGS—A QUESTION OF EDITORIAL ETHICS.

One may concede the right of a trade publication to boost the particular line to which its activities are dedicated without offering one's approval to the spirit of unfairness sometimes noted in efforts of this general kind. Here is our esteemed contemporary, "The Sheet Metal Shop," for example, permitting its partisanship on the side of sheet metal to carry away its good sense, as evidenced in an editorial on "The Weather and Substitute Roofing."

"The recent severe cold weather has again demonstrated the futility of using substitute materials for such purposes as roofing and siding," observes "The Sheet Metal Shop." "Following a protracted period of comparatively warm weather, the recent cold snap has caused so-called asbestos shingles and composition shingles to curl up at the edges. This curling springs the nails out and leaves the shingles a prey to every gust of wind that blows. Owners of houses with sheet metal roofs can complacently endure the weather, serene in the knowledge that their roofs are really weatherproof."

There is patent to the dullest observer in comments of this description an unbalanced enthusiasm rather than a too scrupulous regard for the exact truth. Without disparaging the use of sheet metal in the smallest degree, it is not possible to evade the fact that other roofing mediums have a perfectly well defined place in the general scheme of things constructive. Sheet metal is often applicable where other roofings would not be, just as asbestos and composition shingles, and composition roofings generally, are often adaptable where sheet metal for various reasons would be out of place. No roofing medium that has ever issued out of human ingenuity can be said to hold an unchallenged monopoly under any and all conditions. Asbestos shingle properly applied will not curl in any weather. Nor will any of the other standard makes of composition shingle or sheet roofing. To argue the contrary is to duplicate in the field of roofing the foolish controversy which is making the cement vs. brick propaganda ridiculous in the eyes of thinking people. The plain truth is that none of the roofing mediums is without its own especial advantages under given conditions. To con-

cede these advantages is a duty honorable trade journalism is not called upon under the spur of any mistaken sense of loyalty, to either dodge or evade. Partisanship is an excellent quality on occasion. Fairness is a better quality in the long run.

### PHILADELPHIA'S MUNICIPAL ART JURY VINDICATES ITSELF.

The Municipal Art Jury, appointed by Mayor Blankenburg, has justified the confidence of those who advocated such a body by disapproving the plans of the Pennsylvania Railroad to erect an unsightly bridge over Broad street above Glenwood avenue. The Jury negatived also the proposition of Director Neff, of the Department of Health and Charities, to place a 100,000 gallon water tank on the roof of one of the buildings of the Philadelphia General Hospital, West Philadelphia.

The basis of the veto was in each case the same—lack of artistic merit in the suggested improvements. The railroad company will, it is understood, revise its plans for the new bridge to meet the views of the Jury. Director Neff, who is in hearty sympathy with the objections urged by the Jury to an unsightly tank at Philadelphia Hospital, is ready to accept any modification the members may suggest.

By way of showing to what lengths communities truly aesthetic may go in projects of this kind, one is tempted to recall a remarkable reservoir at Buenos Aires classed by Mr. Burton Holmes as "The Paris of South America." This reservoir—merely a tank for the storage of the city's water—has all the exterior beauty of a superb building, being faced with terra cotta and tile and designed on lines of grace, dignity and impressiveness.

Score one for the new Art Jury. What a pity Philadelphia did not have something of the kind years ago to prevent the crude and preposterous architectural jumble we now know as the Philadelphia City Hall!

### ATTRACTIVE FEATURES IN STORE FOR COMING NUMBERS OF "THE GUIDE."

"The Guide" is pleased to announce for publication in the near future a number of features of unusual interest and attractiveness. One of these is a splendidly illustrated paper on "English Domestic Architecture," which will be reproduced in "The Guide" by special permission of "The Western Architect." Another, an expert and authoritative article on "The Decorative Quality of Tile," written expressly for "The Guide" by Charles F. Binns, also attractively illustrated and another on "Architecture as a Business and as a Profession," by Andrew J. Sauer. Mr. Schermerhorn's paper, in this number, on "Building Laws and Public Safety," is but one of many contributions which will serve

to make "The Guide" notable during 1912. To make sure of these special features subscribe now! Try to show your practical appreciation of our efforts to give Pennsylvania a truly representative architectural and building trades magazine. Be patriotic and public-spirited. Help along the good work by showing your own personal interest in it. And do it now!

### ETCHINGS.

"In no other way can so much really good art be owned at so small an outlay as in well-chosen modern etchings," declares Mr. Frederick Keppel, in his fascinating book, "The Golden Age of Engraving." Mr. Keppel is the highest authority on the subject in America and as we have received several letters asking for more information about etchings and how to buy them, it seems as if no better advice could be given than to read this book. Even the least discriminating person will surely learn from it the difference between an etching and a well-chosen etching, since the author makes it fully understood that the reason why etchings are not rare in the home is because "men incapable of it as an art have plied it as a trade" and quotes a great French artist as sighing, "It is so easy, so very easy, to make an etching; and so hard, so very hard, to make a good one." The book of course quotes no prices; but it will probably astonish those unacquainted with the subject to learn that Joseph Pennell's masterly New York or Pittsburg prints are published at twelve dollars each; or that Henry Deville's smaller "sky-scrapers" are but eight, and Mr. Mielatz's charming bits of old Colonial New York equally reasonable; that is, "while they last," for as has been previously explained a plate yields but a limited number of fine impressions and is then destroyed by the artist to avoid any possibility of inferior ones getting on the market. Thus the print collector is protected as well as the etcher's reputation. In the case of Mr. Pennell whole editions are sold out almost as soon as printed; but he is an indefatigable worker, constantly making new plates; and though it is difficult to get the wonderful American etchings made during the artist's last visit here (the King of Italy and several European museums having secured complete sets of them), still there are many London and Continental scenes to choose from. Fortunately for those who like American cities as subjects the few other etchers who draw inspiration from New York skyscrapers are as yet less celebrated than Mr. Pennell and good examples of their work may more easily be secured. By an occasional outlay of small sums for etchings by American artists a collection can soon be acquired which, if judiciously displayed on the walls of a room, give marked quality from the decorative standpoint as well as keen pleasure in themselves.—"House Beautiful."

Some people quit advertising during the dull season. No wonder it's the dull season.—"Dealers' Building Material Record."



**T**HE rates for Electric Lighting to the liberal user of Electricity in the home are lower in Philadelphia than in any other city of the first class in this country. There is no excuse now-a-days, from the standpoint of expense, for any one living in a private residence not to use Electricity. All newly built houses pretending in any sense to be modern are wired now-a-days.

We can tell you where to find them.



## RUUD Automatic Gas Water Heaters

The Novelty of Yesterday  
The Necessity of To-Day

## HILL-CANTON Clothes Drying Cabinets

The Only Dryer that **Ventilates**  
and is Guaranteed Not to Turn  
Clothes Yellow.

LOW IN PRICE  
ECONOMICAL IN OPERATION

**BARTLETT & CO., Inc.**  
1938 Market St., Philadelphia  
MAKERS OF FURNACES AND  
RANGES SINCE 1843

If your competitor is cutting in on you, and he is advertising, follow suit. If he isn't advertising get the lead on him by letting the trade know you are still a factor. In either case—advertise.

## New Ideas, Materials and Devices

Innovations in Material and Equipment That Merit the Interest of Architect and Building Owner—A Running Resume of Novelties More or Less Recent.

### Metal Doors and Trim:

The Grinden Art Metal Company, Marcy avenue and Walton street, Brooklyn, N. Y., manufacture a line of all metal doors, jams and trim, partitions, wainscoting, corridor sash and frames, hinged and pivoted sash and frames, base, chair rails, picture and other mouldings that is said to be of the highest grade of fireproof construction and superior to anything of the kind obtainable from better known competitors. The company's process of reinforcing, together with the unique method devised for allowance of expansion and contraction under fire and water tests, and the process of welding, different from that in use elsewhere, unite to produce results fully 50 per cent. greater in strength and a third lighter in weight. Architects who are familiar with the metal trim made by the company speak enthusiastically regarding the workmanship shown in the company's output. The company's facilities enable it to handle contracts of any size and insure prompt delivery. The enamel work of the Grinden concern can be furnished in any desired color or grains covering the widest range of artistic and beautiful finishes. Samples of the company's work which we have seen could not be told from the finest hardwood finish, so correct and clean its outlines and so thorough the care given to details. The Grinden Art Metal Company is represented in Philadelphia by R. R. Hammond & Co., Land Title Building, who selected the product of the Grinden Company after a careful examination of other makes. Hammond & Co. also represent in this territory the Universal Safety Tread, the merit of which is well known to the trade.

### Garage Door Equipment:

The immense increase shown in the annual report of the Philadelphia Bureau of Building Inspection in the number of garages constructed in and about Philadelphia, an increase likely to double rather than decrease within the present year, should make Philadelphia a most promising field for concerns making garage devices. Such a concern is the Richards-Wileox Manufacturing Company, of Aurora, Ill., whose ball-bearing trolley garage door hanger is a clever and meritorious appliance. This hanger is so constructed that it will not jam or chafe, work hard or stick under any convergence of circumstances. Its cost is slightly greater than the usual type, but pays for the extra outlay in perfect service and durability under hard wear. The same concern makes a door guide, sliding door lock, overhead trolley carrier and luggage carrier that should prove of interest

to builders and owners engaged in garage construction. William L. Hayword, 50 North Sixth street, is the Philadelphia representative for this company.

### Cast Bronze Hardware:

The first and most obvious difference between stamped hardware and cast hardware is pretty clearly expressed by the names under which the two classes are known. Each piece of cast hardware is moulded separately by a skilled artisan. Stamped hardware, on the other hand, consists of sheet metal so exceedingly thin that it can be easily pressed between steel dies into the form of the design which has been determined upon, then polished, plated and finished to represent whatever it is intended to imitate. As the single advantage of stamped hardware lies in its cheapness, it is easy to understand that its finish must be cheapened too. There is probably no concern in all the world which has given to the production of really beautiful, really substantial hardware the attention that has been given to it by the Yale & Towne Manufacturing Company, 9 Murray street, New York City. The company has issued a little book on the subject of "Yale" hardware in the home, which it will be pleased to send on request.

### Bay State Brick and Cement Coating:

Bay State Brick and Cement Coating is a protection for concrete and stucco that has been tried under all sorts of conditions and has met all the requirements. Years before anybody else made a coating for concrete or stucco this coating was an established success. Bay State has no oil in it and you can't burn it. It will keep out moisture and save concrete from cracking. You can use it as a floor tint on concrete or wood, or a wall decoration. It has a dull tone and you can use it on a private house or on a factory floor or on a factory wall, in rooms that are damp or in rooms that are dry, and it does not destroy the distinctive texture of concrete. Just write and let the manufacturers send you Booklet No. 2 that gives you a list of the houses of concrete and stucco and other constructive work upon which this coating has been applied. Address Wadsworth, Howland & Co., Inc., 82-84 Washington street, Boston.

### Perma-tone Flat Wall Colors:

Grave's Perma-tone Flat Wall Colors produce a durable, smooth, non-porous and germ-proof surface with a rich velvety finish, a surface highly decorative, in perfect taste,



washable, and inexpensive. These colors can be applied with success on plaster, woodwork, burlap, canvas, cement, or concrete, and being nonpoisonous may be used in hospitals or other places in which the ordinary run of wall paints are debarred as injurious. One of the admirable qualities about the Perma-tone Colors is that they will not blister, check or peel off under atmospheric changes. Perma-tone comes in all of the modish tints and presents a largesse of selection adapting it to the requirements of the most fastidious color schemes. Perma-tone is manufactured by the N. Z. Graves Co., Inc., Philadelphia, who will send a color card booklet descriptive of its uses on application.

The men who read "The Builders' Guide" pay \$5 a year to have it sent to them. Has it ever occurred to you that the man who pays \$5 a year for a magazine must want it or he wouldn't keep on paying for it year after year? Now,—when a man wants a publication it's a safe bet he's interested, is it not? And if he's interested in a publication, he's going to read it. Don't you think it would be good business to have your "ad" where it could be seen regularly by this kind of people? Suppose you think it over.

Boost your home town! And remember there's no better way to do this than to carry space in the home trade paper.

that with strength equal to any other presents on the under surface an attractive area of sheer glass. How this is done is shown clearly by the booklet describing as it does one of the cleverest ideas in vault lighting ever devised.

Some men have succeeded who did not advertise. All successful men do advertise. If advertising didn't pay don't you think they'd be likely to find it out?

#### PHILADELPHIA CHAPTER NOTES.

(Continued from page 83.)

Public Information—D. K. Boyd, Chairman; J. T. Windrim, George I. Lovatt, John Molitor.

Entertainment and Meetings—Edmund C. Evans, Chairman; George I. Lovatt; A. H. Granger.

Chapter Membership—Albert Kelsey, Chairman; John Molitor, W. W. Sharpley, C. L. Borie, Jr.

Finance—Milton B. Medary, Jr., Chairman; C. L. Borie, Jr., Frank R. Watson.

## More or Less Personal

The Parker Agency Company, of Philadelphia, Mr. George T. Parker, President, has been retained as representative of the New England Casualty Company, of Boston, for the district covered by Eastern Pennsylvania, Southern New Jersey, Delaware, Maryland and the District of Columbia. The Parker Agency has its headquarters in the new Morris Building. The New England Casualty Company is one of the strongest concerns in the casualty field, and in the Parker Agency has secured a representation in this territory that should and will commend it to the confidence of a growing clientele.

\* \* \*

Mr. F. Stillman Fish has opened an office for the practice of architecture at 8202 Wade Park avenue, Cleveland, Ohio, and would like to receive manufacturers' catalogues, samples, etc.

\* \* \*

Mr. Charles William Eldridge has moved his office from 426 Granite Building to suite 1227-29 Granite Building, Rochester, N. Y., where he will continue the practice of architecture.

\* \* \*

Messrs. Hazzard, Erskine & Blagden desire to announce their copartnership for the practice of architecture, with offices in the Knabe Building, 437 Fifth avenue, New York.

\* \* \*

The Maryland Casualty Company, of Baltimore, begs to announce the appointment of Mr. L. R. Armstrong as manager of the Fidelity and Surety Department at their branch office, 311 Walnut street, Philadelphia, Pa. Through this appointment the company will continue to give prompt and efficient service in the issuance of contract, fidelity, judicial and miscellaneous bonds.

\* \* \*

Thomas Devlin, of the Devlin and Brohard Manufacturing Companies, Philadelphia, has been re-elected president of the Philadelphia Foundrymen's Association.

\* \* \*

Mr. Horace Wells Sellers, a widely known Philadelphia architect, has formed a part-

nership under the firm name of Sellers & Rippey, with offices in the Stephen Girard Building, Philadelphia, for the practice of architecture and engineering.

\* \* \*

Announcement is made by the Title Guaranty and Surety Company, of Scranton, Pa., of the appointment of Mr. Harris J. Latta as resident manager of its Philadelphia office, Suite 206-207 Pennsylvania Building. Mr. Latta's many years of experience in the surety business, his wide acquaintance with the local field and his thorough knowledge of the surety line unite to fit him for an unusual measure of success in his new connection. Mr. L. A. Watres, a former Lieutenant Governor of Pennsylvania, is President of the Title Guaranty and Surety Company.

\* \* \*

Goldner & Goldberg, architects, heretofore at the corner of Westchester and Jackson avenues, have removed their offices to 301 East 149th street New York City.

\* \* \*

John J. Burns & Co., general contractors, have moved to 127 East Twenty-third street New York City.

#### RECENT TRADE LITERATURE.

"Sun-Burst Prisms" is the title of an attractive booklet issued by the Sun Burst Prism Company, of Philadelphia and New York, manufacturers of the celebrated vault light with "100 per cent. continuous under-surface of glass." The booklet is tastefully illustrated with cuts in half-tone showing the ingenious construction of the sun-burst prism, its adaptability for conveying a greater quantity of daylight than any similar vault light on the market, and its attractive under-surface free from the usual ugly area of iron work and cement. Architects and building owners who are not yet familiar with this system of vault lighting will find it to their interest to write the Sun-Burst Company for a copy of this neat little booklet. The Sun-Burst is the only vault light in the market

## Proposals

#### Bonds. Improvements. Equipment.

As the Home Office and Headquarters of the Most Important Financial, Railroad, Engineering, Structural, Manufacturing and Equipment Firms in the United States, Pennsylvania offers a Particularly Rich and Productive Field for "Proposal" advertising. "The Builders' Guide" is the Only Medium in this Field.

#### INVITATION FOR PROPOSALS.

##### TREASURY DEPARTMENT,

Office of the Supervising Architect,  
Washington, D. C., January 16, 1912.

SEALED PROPOSALS will be received in this office until 3 o'clock p. m. on the 27th day of February, 1912, and then opened, for the construction (including plumbing, gas piping, heating apparatus, electric conduits and wiring, and interior lighting fixtures) of the United States Post Office at Union, S. C. The building to be one story and basement, of approximately 4,117 square feet ground area, brick faced, with stone trimming and tin roof. Copies of the drawings and specifications may be obtained from the office of the custodian of the site at Union, S. C., or at this office, at the discretion of the Supervising Architect.

JAMES KNOX TAYLOR,  
Supervising Architect.

#### REAL ESTATE TRANSFERS.

Summary for week ending January 27th, 1912:

Number of transfers.....	513
Amount of transfers.....	\$1,621,211.00
Cash consideration .....	536,103.00
Mortgage consideration .....	1,085,108.00
Ground rent consideration.....	7,435.00
Which on a six per cent. basis amounts to .....	123,916.68



## AN EFFECTIVE COMPO BOARD EXHIBIT.

**Howard Ketcham, Sole Agent for Philadelphia for This Well-Known Board, Has a Most Attractive Display at the Master Builders' Exchange.**

One of the most effective of the many attractive features of the Philadelphia Master Builders' Exchange is the exhibit of Compo Board made by Howard Ketcham, Philadelphia representative of the Northwestern Compo-Board Company, of Minneapolis. This board lends itself to a wide variety of uses, the most suggestive of which are shown in this cleverly conceived display. Compo-Board, as our readers know, is a substitute for lath and plaster which by reason of its easy adaptability to all of the purposes for which other wall boards are used and several for which other boards are not, perhaps, so well adapted, has gained an immense sale all over the country. Among its advantages

are that it may be had in widths up to four feet and from 1 to 18 feet in length, may be nailed direct to studding or over old and broken plaster, has a surface that may be either painted, papered or tapestried with equal success, can be applied by any one who knows how to use a saw and hammer, is so jointed that it cannot warp or give under atmospheric changes and is better, warmer and more durable than either plaster or steel. The Builders' Exchange exhibit shows Compo-Board used panelled and plain and shows it painted, papered and used in its natural state. Architects, builders and building owners who entertain any doubts regarding the utility of this board as a quick partition maker, a wall covering or a highly decorative article of interior fitting should make it a point to visit the Exchange and examine the Ketcham exhibit. It will be found on the north aisle of the Exchange and is well worth a visit.

The "Builder's Guide" is the **OLDEST**, and the **ONLY** Architectural Publication in Pennsylvania.

## SPEAKING OF DAFFY DILLS.

Well, I grabbed a soft job now. I'm working in a sub-contractor's office, and I don't have to show up till 6 A. M. I go over and get the mail, open and assort it. Then I dictate replies to about 25 of them. Take care of customers that come in and make excuses for the boss. Then I make estimates till noon, then I grab off 5 minutes for eats. Then I call on customers, and return to take care of phone calls, make designs and do some draughting. Then I take the rest of the letters home and work there till midnight. I'm always in bed by 2.

Gee! you're a happy guy.

Yep, nothing to do till to-morrow.

The expert assistance we give our advertisers in the matter of preparing copy so as to make it tell is, in itself, worth all the money they spend with us. Our services in this avenue are at the disposal of every "Guide" advertiser, present as well as prospective.

## MUTUAL PUBLICITY CO.

16 South Tenth St.  
Philadelphia

**SPECIFICATIONS TYPE-WRITTEN for ARCHITECTS. REASONABLE RATES**

**SPECIALISTS IN THE PRODUCTION OF THE HIGHEST GRADE OF IMITATION TYPEWRITTEN WORK FOR ADVERTISERS. ADDRESSING, MAILING, ETC.**

Keystone 'Phone: Bell 'Phone:  
Race 58-64 D. Filbert 52-92.

## Builders' Exchange Exhibition

**I**f you are a Manufacturer or dealer in building appliances of any kind and you are sure you have a good article

Have it Exhibited at  
**The Builders' Exchange Exhibition**

They will explain its merits and tell the people where it can be had and you will get the best advertising possible. Better still, make your office with your Exhibit.

**Try It!**

18 South Seventh Street  
PHILADELPHIA

## Flag Poles

Tubular Steel, Oregon Pine,  
Norway Spruce  
All Sizes

Furnished and Erected  
Complete

STEEPLEJACK

**Bernard McCurdy**  
N. E. Cor. 9th and Arch Streets  
PHILADELPHIA

Bell, Filbert 23-13

Main 51-43 D

Established in 1854 :: Incorporated in 1902

**Pennsylvania Wire Works**

EDWARD DARBY & SONS CO.  
Incorporated  
233 & 235 Arch St., Phila.  
Factories, 113 & 115 Broad St.

Manufacturers of  
Wrought Iron Railings  
and Grille Work; Elevator  
Enclosures, and Elevator  
Cars; Wire Window Guards,  
Wire Cloth; Wire and Iron  
Work of every description,  
also Pen-Dar Metal Lock-  
ers, Shelving Etc.

**O. W. KETCHAM**  
Manufacturer

**BURNT CLAY PRODUCTS**

Office and Exhibition:  
24 S. 7th St., Phila. Bld'rs Exchange

## MORTGAGES

**We can place them for you**

**L. P. SIMPSON & SON**  
707 Walnut Street  
Philadelphia

**DO YOU KNOW THAT**

**The DAILY BUILDING NEWS—**

issued from this office gives the trade "inside" information on big jobs days ahead of any other agency?

Well,—it does.

Just compare and see for yourself. Address,

**DAILY BUILDING NEWS**  
PERRY BLDG., PHILADELPHIA



# Reference Directory for Architects, Builders and Owners

## Artists' and Architects' Supplies.

F. Weber & Co.,  
1125 Chestnut st., Phila.

## Architectural Iron and Metal Work.

John L. Gaumer Co.,  
22d and Wood sts., Phila.

## Brick (Face, Etc.)

Darlington Brick and Mining Co.,  
Crozer Bldg., Phila.  
United Brick and Clay Products Co.,  
Morris Bldg., Phila.  
O. W. Ketcham, Builders' Exchange, Phila.

## Brick Renovating.

Adolph Christensen,  
1433 Brown st., Phila.

## Bank and Office Fixtures.

Stephen F. Ketran,  
312 S. 24th st., Phila.

## Blue Prints

Blue Print Co.,  
1516 Chestnut Street, Phila.

## Boilers and Stacks.

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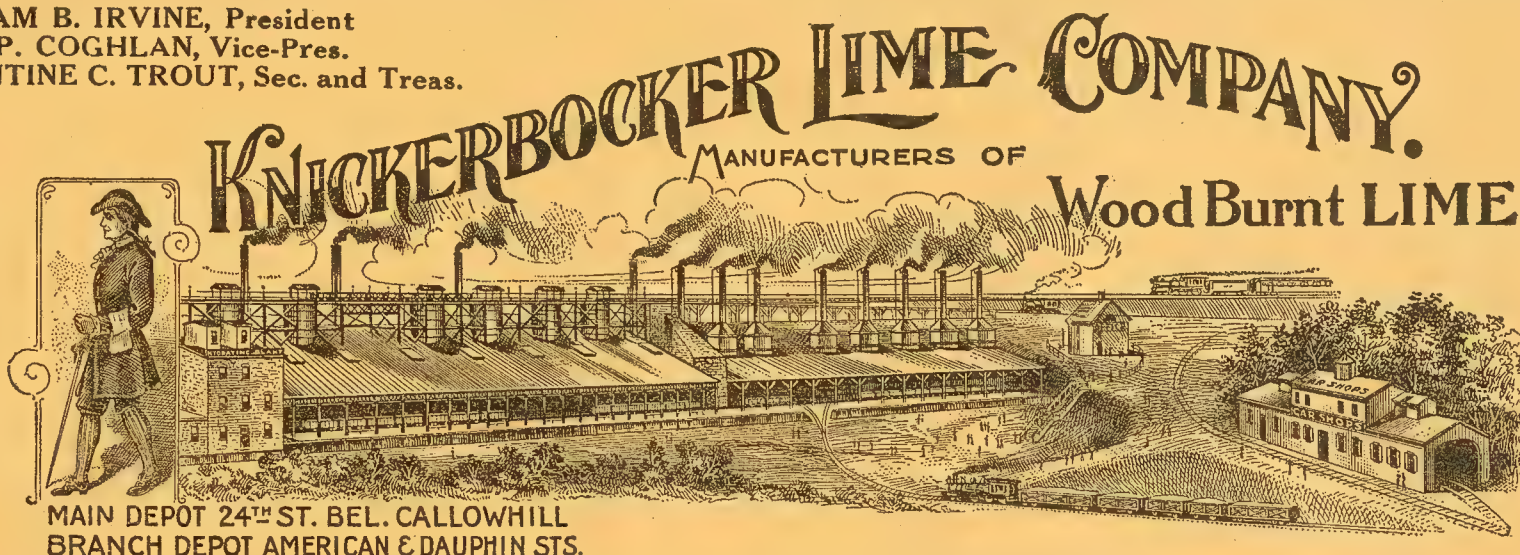
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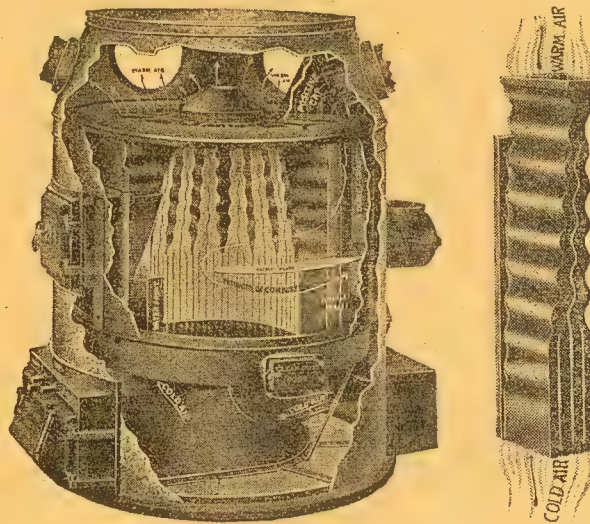
# THE PHILADELPHIA REAL ESTATE RECORD AND *Builders' Guide*

ENTERED AT THE PHILADELPHIA POST OFFICE AS SECOND CLASS MATTER

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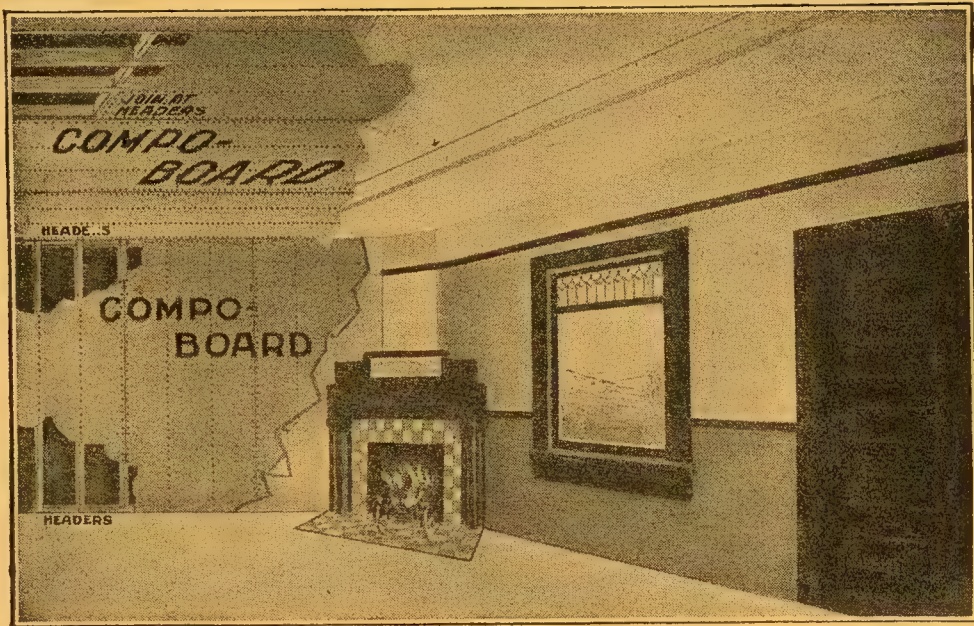
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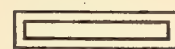
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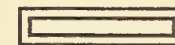


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# The Philadelphia Real Estate Record and BUILDERS' GUIDE

Containing Official Bulletin of the Master Builders' Exchange.

Vol. XXVII., No. 6.

PHILADELPHIA, WEDNESDAY, FEBRUARY 7, 1912.

Less than One Year  
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## Construction News

**New Operations; Architects and Owners; Cost Limit; Last Days of Filing Bids; Firms Figuring; Character of Material and Equipment Required; a Budget of Opportunities for Builders, Supply and Specialty Houses.**

**Store and Apartments, Avalon, N. J.** Architect, H. B. Ward, Witherspoon Building. Owner, Miss M. L. Van Thuyne, Avalon, N. J. Brick and plaster, two stories, 35x60 feet, electric light, asbestos shingle roof, hot air heat. Architect has received bids.

**Garage, 1435 Vine street.** Architect, Chas. E. Oelschlager, Harrison Building. Owner, Louis A. Belmont, 2037 North Broad street. Brick, one story, 20x75 feet, slag roof, electric lighting, steam heating. Architect has received bids.

**School, Twenty-sixth and Tasker streets.** Architects, Schaeff & Brugger, 1432 South Penn Square. Owners, St. Aloysius Roman Catholic Church, Twenty-sixth and Tasker streets. Brick, three stories, 77x55 feet, electric lighting, steam heating, slate and slag roof. Plans in progress.

**Residence for Apartments (alt. and add.), 3232 Chestnut street.** Architect, H. Taylor Smith, 6124 Jefferson street. Owner, A. Hartel, 3232 Chestnut street. Brick and stone, four stories, slag roof, electric light, steam heating. Owner taking bids. George Hogg, 1624 Sansom street, is figuring.

**Residences (2), Sedgwick Station, Pa.** Architect, Bart Tourison, Land Title Building. Owners, Sedgwick Farms, Sedgwick, Pa. Stone and half timber, two and one-half stories, 45x32 feet, tile and slate roof, hot water heating, hardwood floors, electric lighting. Plans in progress.

**Laboratory Building, Thirty-fourth and Girard avenue.** Architect, Horace Trumbauer, Land Title Building. Owners, Zoological Garden Society, Thirty-fourth and Girard avenue. Pompeian brick, two stories, 73x33 feet, tile roof, electric lighting, steam heating. Architect has received bids.

**Church, Llanerch, Pa.** Architect, George Mattress, Twelfth and Walnut streets. Owners, Llanerch Presbyterian Church. Stone, one story and basement, 33x66 feet, slate roof, electric lighting, steam heating. Plans in progress.

**Garage, Twenty-third and Chestnut streets.** Architects, S. Roberts, George U. Rehfuß and F. A. Hayes, 1524 Chestnut street. Owner, Murry Gibson, 123 South Eleventh street. Brick, two stories, 95x120 feet, slag roof,

steam heating, electric lighting. Architects have received bids.

**Armory, Atlantic City, N. J.** Architects, Seymour and Paul A. Davis, 1600 Chestnut street. Owner, Morris Guards, Atlantic City, N. J. Stone, 53x134 feet, slate roof, electric work, steam heat. Plans in progress.

**Store (alt. and add.), 510 Market street.** Architect, private plans. Owners, Meyers Estate, care of builder. Brick, five stories, electric light, steam heat, copper roof. Lam Building Company, 1001 Wood street, is taking sub-bids.

**Stores (alt. and add.), 823-25 Catherine street.** Architect, Chas. Oelschlager, Harrison Building. Owner, Antony Arnoa, on premises. Brick, three stories addition, 18x22 feet, electric lighting, steam heating, slag roof. Owner taking bids.

**Office Building (alt.), 122 South Thirteenth street.** Architect, H. L. Reinhold, Tenth and Sansom streets. Owner, E. H. Hutchinson, on premises. Brick, three stories, slag roof, electric lighting, steam heating. Architect has received bids.

**Residences (2), Seminole avenue, Chestnut Hill, \$15,000 each.** Architect, Frank Seeburger, Pennsylvania Building. Owner, Wm. H. Wilson, 1318 Chestnut street. Stone and brick, two and one-half stories, slate roof, hot water heating, electric lighting, hardwood floors. Plans in progress. Architect will take bids in about ten days.

**Residence, Park and Medary avenues, Oak Lane, \$15,000.** Architect, L. V. Clark, Witherspoon Building. Owners name withheld. Brick and stucco, three stories, shingle roof, electric lighting, hardwood floors, hot water heating. Plans in progress.

**Foundry Building, Washington, D. C., Navy Yard.** Architects, Bureau of Yards and Docks, Washington, D. C. Owners, U. S. Government, R. C. Hollyday, Washington, D. C. Brick and steel and concrete, one story, 131x362 feet, slag roof, electric lighting. Owners taking bids, due February 17th. J. E. & A. L. Pennock, Land Title Building, are figuring.

**Apartments (14), Fifty-sixth and Catherine streets, \$42,000.** Architect, J. F. Bradley, Hale Building. Owner, Berman Bros., 6019 Market street. Brick, two stories, 16x60 feet, electric

lighting, hot water heating, slag roof. Owners taking sub-bids, due February 9th.

**Apartments (13), Fiftieth and Catherine streets, \$8,000.** Architects, Anderson & Haupt, Drexel Building. Owner, N. Raidman, 5944 Walnut street. Brick, two stories, 18x70 feet, electric lighting, steam heating, slag roof, hot water heating. Berman Bros., 6019 Market street, taking sub-bids, due February 9th.

**Convention Hall, Broad and Allegheny avenue, \$100,000.** Architect, C. P. Berger, 1414 South Penn Square. Owners, City of Philadelphia. Frame and plaster, one story, 265x409 feet, slag roof, electric work, steam heating. Owners taking bids, due February 8th. The following are figuring: Burd P. Evans, Thirteenth and Wallace streets; A. Raymond Raff, 1635 Sansom street; A. Whitehead, 1624 Latimer street; J. E. and A. L. Pennock, Land Title Building; Jacob Meyers & Sons Company, Witherspoon Building; Harens & Co., 845 North Nineteenth street; Haibach Contracting Company, Twenty-eighth and Thompson streets; H. B. Shoemaker, 24 South Seventeenth street; Thomas M. Seeds, 1207 Race street; H. P. Schneider, 3715 Old York Road; Doak & Co., Crozer Building; Little & Sons, 1613 Sansom street; Doyle & Co., 1519 Sansom street; J. W. Emery, 1524 Sansom street; H. H. Weymeyer, 1004 Lehigh avenue; E. L. Fonder, Land Title Building; Armstrong & Latta, Land Title Building; W. E. Dots & Co., 148 North Second street; Fay & Son, 1519 Ransstead street; Bottoms & Sons Co., 41 South Fifteenth street; Appleton & Burrell, 1204 Chancellor street; H. E. Baton, Tenth and Sansom streets; Steel & Sons Company, 1600 Arch street; J. H. Jordan, Thirtieth and Columbia avenue; Sax & Abbott Construction Company, Hale Building; H. Brockelhurst, 518 Norris street; Roydhouse, Arey & Co., Fidelity Building; M. P. Wells, Witherspoon Building; H. L. Brown, 1714 Sansom street; M. L. Conneen, 318 South Twentieth street; Irwin & Leighton, Franklin Building; Mitchell Bros., 2125 Race street; George Hogg, 1634 Sansom street; P. J. Hurley, 1253 Cherry street; Edward Atkins, 1221 Arch street; Metzger & Wells, Heed Building.

**Store Building (alt. and add.), 9 North Howard street, Baltimore, Md** Architect,



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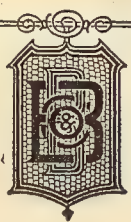
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Signal Tower, Belmont Yards, Philadelphia. Architect, W. H. Hunter, Reading Terminal. Owners, Philadelphia and Reading Railway Company, Twelfth and Market streets. Brick and frame, two stories, 15x26 feet, slate roof, hot air heating, electric lighting. Architect taking bids, due February 10th. The following are figuring: J. Sims Wilson, 1125 Brown street; F. A. Havens & Co., 845 North Nineteenth street; H. E. Baton, Tenth and Sansom streets; James G. Doak & Co., Crozer Building; Charles McCaul Company, Tenth and Sansom streets.

Bank Building, 608 South Second street. Architects, Seymour & Paul A. Davis, 3d, 1600 Chestnut street. Owners, Southwark National Bank, 608 South Second street. Brick and marble, two stories, 40x106 feet, composition roof, hot water heating, electric lighting, marble floors. Architects taking bids, due February 15th. The following are figuring: D. Wholey, 1109 Indiana avenue; H. C. Rea, 1028 Wood street; George F. Payne & Co., 401 South Juniper street; James Doak & Co., Crozer Building; Roydhouse, Arey & Co., Fidelity Building; Mitchell Bros., 2125 Race street; J. Myers & Sons, Witherspoon Building; H. E. Baton, Tenth and Sansom streets; S. B. MacDowell & Son, 1927 Montgomery avenue; I. T. Shoemaker, 24 South Seventeenth street; J. E. & A. L. Pennock, Land Title Building; A. Whitehead, 1624 Latimer street.

Apartments (alt. and add.), Seventeenth and Wharton streets. Architect, C. E. Rahn, 410 Walnut street. Owner, J. H. Cassidy, Seventeenth and Wharton streets. Brick, three stories, slag roof, electric lighting, steam heating. Architect taking bids, due February 7th. The following are figuring: George Hogg, 1624 Sansom street; William Christy & Sons, 1614 McKean street; Davis & Huston, Fifteenth and Ellsworth streets; William R. Dougherty, 1608 Sansom street; W. J. Mowbray & Sons, 1603 South Seventeenth street.

Hotel (add.), Atlantic City, N. J. Architects, Price & McLanahan, 1600 Walnut street. Owners, Hotel Traymore, Atlantic City, N. J. Brick, steel, concrete and terracotta. To rebuild old part. Plans in progress.

Residence, Chew and Phil Ellena streets, Germantown. Architect, A. Raymond Holland, 3922 Franklin street. Owner, W. M. Armstrong, core of architect. Brick and plaster, three stories, 16x35 feet. Electric lighting, steam heating, shingle roof. Architect taking bids, due February 10th. The following are figuring: William J. Guhler, 219 High street; F. B. Davis, 35 South Seventeenth street; Stokes Brothers, 6723 Musgrove street; John Unrue, Wynnemoore, Pa.; W. J. Stevens, Wyncote, Pa.; Samuel Harting, Germantown avenue and Johnson street; J. E. Walt, 204 East Willow Grove avenue.

Public Library, Falls of Schuylkill, Philadelphia, \$40,000. Architects, Rankin, Kellogg & Crane, 1012 Walnut street. Owners, City of Philadelphia, care of Librarian, William Thompson, Thirteenth and Locust streets. Brick and stone, one story. Architects taking bids, due February 29th. The following are figuring: A. Whitehead, 1624 Latimer street; Appleton & Burrell, 1204 Chancellor street; Jacob Myers & Sons Company, Witherspoon Building; P. J. Hurley, 1233 Cherry street; Irwin & Leighton, Twelfth and Cherry streets; James G. Doak & Co., Crozer Build-

ing; William R. Dougherty, 1610 Sansom street; F. A. Havens & Co., 845 North Nineteenth street; John R. Wiggins & Co., Heed Building.

Church, Fifty-fourth and Vine streets. Architects, Henon & Boyle, 14 South Broad street. Owner, Our Lady of Victory R. C. Church. Consists of completion of interior. Architects taking bids, due February 8th. John McShain, 631 North Seventeenth street, is figuring (only bidder).

Residence, Chestnut Hill, Philadelphia, \$25,000. Architect, Charles Barton Keen, Bailey Building. Owner, Henry A. Laughlin, Chestnut avenue, Chestnut Hill. Stone, two and one-half stories, 30x50 feet; wing, 25x30 feet. Hot water heating, slate roof, hardwood floors. Plans completed. Architect ready for bids.

Factory (add.), Plainfield, N. J. Architect and builder, J. G. Brown, Witherspoon Building. Owners, Sauer Motor Company, Plainfield, N. J. Brick and concrete, one story, 88x100 feet. Electric lighting, steam heating, slag roof. Builders taking sub-bids, due February 7th.

Residence, Lincoln Drive, Pelham, Pa. Architect, Bart Tourison, Land Title Building. Owner, W. B. Kugler, Land Title Building. Stone and half timber, two and one-half stories, 56x39 feet; wings, 27x14 feet and 17x34 feet. Tile roof, electric lighting, hot water heating. Plans in progress.

Grain Elevator, Girard Point, Philadelphia. Architect, James Stewart, Fisher Building, Chicago, Ill. Owners, Pennsylvania Railroad Company, Broad Street Station. Steel and concrete, 1,000,000 bushels, 100 feet high. Plans in progress.

Bank Building, 608 South Second street. Architects, Seymour & Paul A. Davis, 3rd, 1600 Chestnut street. Owners, Southwark National Bank, on premises. Brick and marble, two stories, 40x106 feet. Composition roof, hot water heating, electric lighting, marble floors. Architects taking bids, due February 15th. A. Whitehead, 1624 Latimer street, is figuring, in addition to those previously reported.

## WILMINGTON, DEL.

### CONSTRUCTION NEWS.

Hall Building (alt. and add.), Wilmington, Del., \$25,000. Architects, J. & M. Kennedy, Ford Building, Wilmington, Del. Owners, Wilmington Turngemeinde, Eighth and French streets, Wilmington. Brick, fireproof, three stories, 50x60 feet. Electric lighting, steam heating, tin roof, hardwood floors. Plans about completed.

Store and Residence, Seventh and King streets, Wilmington, Del., \$8,000. Architect, J. D. Thompson, Jr., Dupont Building, Wilmington, Del. Owner, Frederick Steinle, on premises. Brick, three stories, 15x40 feet. Slag roof, electric lighting, steam heating. Plans about completed.

Club (alt. and add.), 810 King street, Wilmington, Del., \$15,000. Architect, private plans. Owners, Young Men's Republican Club, J. Austin Ellison, on premises, Wilmington, Del. Brick, two stories, 30x120 feet.





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**Pavilion**, Grubb's Landing, Del., \$10,000. Architects, J. & M. Kennedy, Ford Building, Wilmington, Del. Owners, Delaware Saengerbund Society, on premises. Frame and brick, two stories, 77x147 feet. Shingle roof, electric lighting, hardwood floors, concrete piles. Plans in progress.

### CONTRACTS AWARDED.

**Residence (alt. and add.)**, Greenhill avenue and Willard street, Wilmington, Del., \$10,000. Architects, Brown & Whiteside, Dupont Building, Wilmington, Del. Owner, L. A. Yerkes, on premises. Brick, two and one-half stories, electric lighting, steam heating,

shingle roof. Contract awarded to J. A. Bader & Co., Ford Building, Wilmington.

**Warehouse (alt. and add.)**, Front and Market streets, Wilmington, Del. Architects, Brown & Whiteside, Dupont Building, Wilmington, Del. Owners, Charles Warner Company, Dupont Building, Wilmington, Del. Frame and concrete, two stories, electric lighting. Contract awarded to William Jones, Wilmington, Del.

**Warehouse (add.)**, 4 and 6 East Second street, Wilmington, Del., \$30,000. Architects, E. L. Rice & Co., 815 Market street, Wilmington, Del. Owner, Nathan B. Danforth, on premises. Brick, four stories, 30x75 feet. Slag roof, electric lighting, steam heating. Contract awarded to A. S. Reed Bros. Co., Wilmington, Del.

**Stratford Hotel**, on premises. Stone, brick, terra cotta, seventeen stories, 186x60 feet, electric lighting, steam heating, slag roof, hardwood floors. Contract awarded to Fuller Construction Company, Morris Building.

**Office Building and Stock Exchange**, 1411-19 Walnut street. Architect, Horace Trumbauer, Land Title Building. Owner, Philadelphia Stock Exchange Building Company, Third and Chestnut streets. Brick, stone and steel, fireproof, twelve stories, 100x110 feet. Contract awarded to George F. Payne & Co., 401 South Juniper street.

**Building (alt. and add.)**, 2009 North Broad street. Architects, Sauer & Hahn, 1118 Chestnut street. Owners, M. Rosenberg & Son, on premises. Brick, two stories, 14x26 feet, slag roof, vapor heat, electric light. Contract awarded to F. A. Havens & Co., 845 North Nineteenth street.

**Memorial Arch**, Valley Forge, Pa. Architect, H. Deakyne Major, Esq., Witherspoon Building. Owners, U. S. Government, Washington, D. C. Stone, 81x48x61 feet high. Contract awarded to H. L. Brown, 1710 Sansom street.

**Stable**, Haverford, Pa., \$5,000. Architect, D. K. Boyd, Fifteenth and Walnut streets. Owner A. A. Hirst, 211 South Sixth street. Stone, two and one-half stories, 23x42 feet, shingle roof, electric light, hot water heating. Contract awarded to W. D. Smedley, Narberth, Pa.

**Swiss Chalet**, Stone Harbor, N. J. Architect, H. L. Reinhold, Tenth and Sansom streets. Owner, D. E. Newton, care of architect. Stone and frame, two and one-half stories. Shingle roof, electric lighting. Contract awarded to Garretson & Harris, Cape May Court House, Cape May, N. J.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Residence**, Media, Pa. Architects, Stuckert & Sloan, Crozer Building. Owner, J. P. Moore, Media, Pa. Brick 45x30 feet. Electric lighting, hot air heating, slate roof. Contract awarded to Vanwinkle Company, Lansdowne, Pa.

**Store (alt. and add.)**, 5946 Germantown avenue. Architect, private plans. Owner, Eugene Loeble, on premises. Brick, two and one-half stories, tin roof, electric lighting, hot air heating. Contract awarded to W. C. Wright, 22 Harvey street.

**Creamery (alt. and add.)**, Northbrook, Pa. Architect, C. E. Rahn, 410 Walnut street.

Owner, William Kelly, Twelfth and Pine streets. Brick, three stories, composition roof, electric lighting. Contract awarded to Chas. H. Zebley, 310 South Quince street.

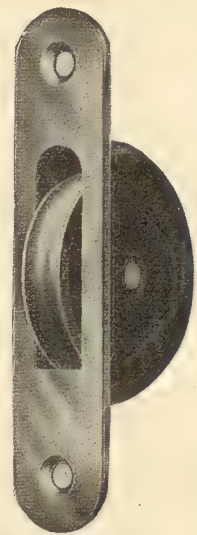
**Foundry Building**, Crum Lynne, Pa. Architect and engineer, J. I. Rogers, 929 Chestnut street. Owners, Eagan-Rogers Steel and Iron Company, 929 Chestnut street. Brick and steel, one story, 80x200 feet, slag roof, electric lighting. Contract awarded to McClintock-Marshall Company, Pottstown, Pa.

**Hotel (alt. and add.)**, Broad and Walnut streets, \$1,000,000. Architects, Hewitt & Paist, Bullitt Building. Owners, Bellevue-



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## Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Philips Pressed Steel Pulley Company (O), Fourth and Glenwood avenue. T. C. Trafford (C), 1613 Sansome street. Cost, \$595. Factory.

Morris Realty Company (O), 1218 Chestnut street. Cost, \$4,000. Apartments, 1702, 04, 06, 08 Norris street. Cost, \$4,000. Apartments, 2018, 20, 22, 24 North Seventeenth street.

S. B. Davis (O), Land Title Building. Basch & Co. (C), 402 Cherry street. Cost, \$625. Store, 1612 Ridge avenue.

F. J. Levy (O), Lorraine Hotel. Basch & Co. (C), 402 Cherry street. Cost, \$1,400. Store, 3 and 5 North Second street.

John Janeson (O), 2518 East Huntington street. Cost, \$350. Stores, 2638 Almond street.

Industrial Trust, Title and Saving Company (O), Front and Norris streets. Wm. Steele & Sons (C), 1600 Arch street. Cost, \$1,800. Factory, Trenton and Auburn streets.

J. J. O'Neil (O), Fifty-second and Haverford avenue. S. E. Brown Heating Company (C), Builders' Exchange. Cost, \$800. Residence, Fifty-second and Haverford avenue.

Penrose Fleisher (O), 1425 Walnut street. S. E. Brown Heating Company (C), Builders'

Exchange. Cost, \$400. Residence, 1425 Walnut street.

George Mahla, 1220 North Forty-second street. George Kessler (C), 931 Drexel Building. Cost, \$300. Dwelling and store, 1220 North Forty-second street.

S. Smyers (O). A. P. Fraim (C), 319 Market street. Cost, \$1,000. Store, 2440 Kensington avenue.

Max Heller (O), 2032 North Front street. Harrison & Peterson (C), 1107 Hamilton street. Cost, \$350. Store, 2032 North Front street.

Dickerson & Yeakley (O), Twenty-sixth and Sedgley streets. J. C. Halden (C), Wynmoor, Pa. Cost, \$400. Factory, Twenty-sixth and Sedgley streets.

D. J. Goodman (O), 2204 Callowhill street. Mitchell Bros. (C), 2135 Race street. Cost, \$500. Store and dwelling, 1843 Passayunk avenue.

J. J. Reilly (O), 954 North Forty-eighth street. James Doyle & Son (C), 878 North Forty-sixth street. Cost, \$500. Dwelling, 910 North Forty-seventh street.

T. N. Yates & Co. (O), 7356 Germantown avenue. Cost, \$2,500. Green house, 7356 Germantown avenue.

### RECENT TRADE LITERATURE.

"J-M Roofing Salesman" for December, 1911, issued by the Cleveland branch of the H. W. Johns-Manville Company, New York, contains photographic views of the new Cleveland Athletic Club Building, in which 130 squares of J-M asbestos and asphalt built-up roofing (Gillett system) were used. A view is also shown of the club's \$10,000 swimming pool. In addition to the pool itself, the shower baths and spaces under the rubbing tables are waterproofed with 6-ply J, J-M asbestos and asphalt waterproofing.

\* \* \*

Metal forms for concrete sidewalks, curbs and gutters are described in a bulletin issued by the Blaw Collapsible Steel Centering Company, Pittsburgh, Pa.

\* \* \*

Eighty pages of information about roofs are contained in a generously illustrated book issued by the N. & G. Taylor Company, Philadelphia, Pa., manufacturers of roofing tin and tin roofing units.

\* \* \*

How to apply plaster by machinery for various types of concrete stucco work is described in the catalogue issued by the Standard Asphalt and Rubber Company, 137 South La Salle street, Chicago, Ill. A description of the materials used in making the product of the company is given and specifications for "Sarco" floors are printed.

\*\*The United States Government has awarded to John J. Boyle, of New York, as sculptor, the commission for the erection in Washington of a statue to Commodore John Barry. Congress in 1906 appropriated \$50,000 for the purpose of honoring Barry.

\*\*J. D. Hollihan, who has been connected with the Camp Manufacturing Company for the past seven years as manager of the Pittsburgh office, severed his connections January 1. Mr. Hollihan goes to New York to manage the New York office of the Acorn Lumber Company, a Pittsburgh concern which, while a comparatively new company, has had a successful career. The Acorn Lumber Company handle a general line of lumber and cater especially to the manufacturing trade using box lumber and crating. Further announcement as to the location of the office will be made in due course.

\*\*President Horowitz, of the Thompson-Starrett Company, in a published interview, gives some of the reasons why the interior construction of the Equitable Building offered no effective resistance to the spread of fire. Among them was the absence of adequate protection for the soffits of the steel beams. These were simply plastered. When the plaster crumbled off under the heat the beams buckled and the floors collapsed. Failure to provide substantial protection to soffits has, according to Mr. Horowitz, been common until recently Mr. Miller being the first building superintendent to insist upon such protection where it has been omitted in plans submitted for new buildings.

\*\*A. J. Phinney, manager of the Iroquois Door Company, headquarters Buffalo, N. Y., spent several days in New York City last week at the local office of the company, 18 Broadway, going over matters with Manager B. P. Salmon. Mr. Phinney looks for a very fair trade in 1912, judging from the present indications and his company will be in better shape than ever to take care of the wants of the trade in up-to-date doors and mill work.



## THE AMERICAN "RENAISSANCE"

[EDITOR'S NOTE—The pithy and suggestive article here reprinted appeared in a recent number of "The Craftsman." It is the joint work of William Gray Purcell and George G. Elmslie and amounts to a strong endorsement of Mr. Irving K. Pond's brilliant address "Art and Individuality" which will be recalled by Guide readers.]

An article by Alfred Hopkins, with numerous illustrations, made under the above caption, appeared in a recent number of "The Outlook." Not only the statements made in this article, but the point of view which it suggests, is so wide of the truth, that it should certainly not secure, unchallenged, the wide reading that publication in such a magazine gives it. Such a statement concerning architecture as a fine art in America will be accepted by thousands of thoughtful readers as an authoritative analysis of the real condition of this art, and it would be a great misfortune if the vague ideas of the general reader should become fixed in an attitude so mistakenly optimistic as that which pervades Mr. Hopkins' writing. The absurdity of the article in question may be put at once on a plane of kindergarten simplicity, with reference to what architecture is, by directing the attention in a casual way to the photographs of buildings used as illustrations, which the author considers indicative of our ability to express in the architectural art the normal characteristics of our people.

One of the buildings is the new Pennsylvania Railroad Station in New York, pertinently described as an adaptation of the Basilica of Constantine in Rome; another is the Military Chapel at West Point, an adaptation of definite historical Gothic forms, developed about a thousand years later. No elaborate proof is needed to suggest to the average mind that a people cannot express themselves at one and the same time in the architectural forms of both Rome and the Middle Ages. Forms more diametrically opposed, in emotional and spiritual essence, cannot be imagined. As an expression of real traits, these forms are as different as an automobile and an Egyptian dahabiyeh. The two could not have synchronously arisen from a single people. Architecture is now generally recognized as an intimate expression of the times which gave it birth. It is a better index of the people than their exploits in war or politics. One may read Rome, perfectly, in her architecture, or understand the Middle Ages under the shadow of a great cathedral. We may know of the glory that was Greece, through her marble crowned Acropolis.

Now in what way do the "Gothic" Chapel and this "Roman" railroad station exemplify an American Renaissance? They do not. History repeats itself, and these buildings, so far as their architectural forms are concerned, exemplify that period in the Italian Renaissance, when Sansovino could copy literally the forms he went to Rome to pilfer,—a period of architectural decadence. Incidentally, may we refer to Penrose, when he says in the introduction to his great work on Athenian Architecture, that his one regret in giving to the world these wonderful Gre-

cian forms, was that they would be at once seized upon, and made base use of, as an applique to buildings of another breed under other skies and in other ways of life. Compare with this attitude, our Sansovino, raking over the ruins of Rome, for scattered parts of what was architecture, to dress up his buildings,—without which they would doubtless have been interesting. As an illustration of this possibility, consider the Palazzo Cornaro in Venice, and the Palazzo Albergati, Bologna—these buildings show very well, in the latter, a decadent art, stultifying the native Italian power to build, and in the other the same power to build giving itself almost free expression.

Let us consider for a moment another luminary in this American Renaissance, the building for music at Bar Harbor, Maine. It will be observed that so far we have been architecturally both of Rome and of old France, and now this building announces that we are Greeks! It is noticeable that in these "Greek," "Roman" or "Gothic" buildings we are not a multiplex people, expressing ourselves at once with Roman splendor, Greek beauty and Mediaeval romance and mysticism, but clever groups of us assume a conceit. This day we will be Romans, tomorrow Greeks.

Considering another aspect of this building, let us quote the article: "The contrasted wall spaces with the open loggia of the columns are in perfect proportion." Now what does this mean, this "proportion" that we hear so universally used? Is it a rule, or a guide for doing things right? Where is it to be found,—in the Greek work? If so, is it at archaic Paestum, at titanic Olympia, or at splendid Athens? We see the proportions changing with the varying temperaments of the Greeks. Where shall the norm be placed, and who could presume to decide? As a matter of fact, the word "proportion" has no meaning as a vital attribute in any art, to say nothing of architecture. It is universally used by dilettante in their critical appreciations, to cover their lack of power to discern that region in the quality of a true art work into which no critic may ever enter. What is significant and meaningful is balance and rhythm, and our "Greek" music hall has neither; true Greek art was alive and vibrant with both.

The bareness, poverty and negation of this whole idea of fixed proportions, as an element of beauty in a structure, is at once made manifest, when we stop to consider that the minute and precise relationships in Vignola's "Five Orders of Architecture" are real, if at all, for but one instant, and from a single ideal viewpoint. As the beholder departs from this ideal point in observing a real building, the myriad relationships and values pass through infinite mutations, which no

mind could possibly reduce to set systems or formulae. Vignola would needs be rewritten for every six inches that one may move.

Adding scrap by scrap to our far from orderly picture of what the Greek mind was, we now know that the Greek temples were resplendent with gorgeous color; and it is interesting to note that this music building is probably the first where even a timid effort has been made to recall this color factor in Greek work. This color was far more important to the eye of the beholder than the delicate adjustment and workmanship of the structure itself, which were largely a matter of feeling. It is suggested that the reader ask himself whether the image he has in mind of what is Greek, reckons with this color effect. If his idea of Greek architecture is not a form and color idea, is it Greek at all?

In another fundamental conception our music building fails to approximate the Greek standard claimed for it. It presents to the average American no idea of the purpose of the building. According to the system of thinking which this building exemplifies, it might serve equally well as a bank, a town hall, a United States Post Office, or a Christian church; and buildings similar to this music hall may be found performing these functions in any of our larger communities. For where in this design does the reader feel the compelling power of music? The plucked lyre of the Greeks has passed. The orchestra is now a part of our intellectual and emotional life.

For anyone who is familiar with the Parthenon, and the civilization of which it is the culmination, this "perfect Greek design" may be dismissed with a single question as to whether in spirit or in fact any suggestion of the Greek mind is to be found in the remarkable treatment of the wall surfaces flanking the loggias? "Refined and highly studied?" Refined it doubtless is, and scholarly it is; but dead,—as dead as is the Greek language.

"Architecture is the need and power to build." It centers in the very soul of the race, not in buildings of antiquity, nor in the minds of a few wise men. What was architecture always has grown, evolved,—outsprung from the social fabric of a nation. The great masterpieces of the architecture of all times have been the least personal and the most racial. Thus, if we would find the evidences of what is to be the great architectural art of America, we must look not to those things which we import, but to those things which we cannot import, and therefore accomplish with amazing vigor. The Italian historian, Ferrero, when he visited America last year, was not interested in our importations, and found in them no evidence of the virile race he came to study and later trenchantly to analyze. He said that the most significant expression of our architectural life was a sleeping car.

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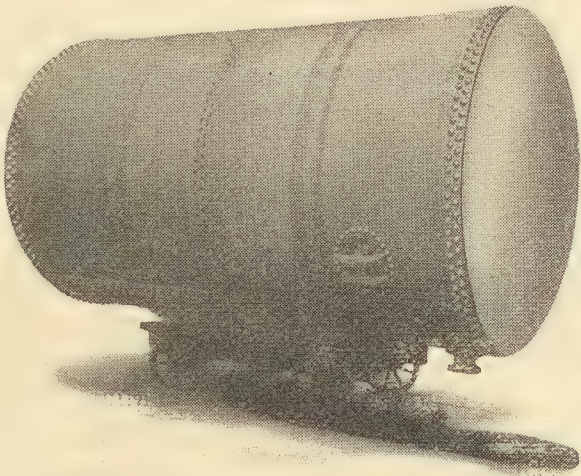
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new thing under the sun,—American architecture. The tragedy is that we do not leave them alone to show what they are, but must be covering them with all manner of incidents of form that brazenly give the lie to their materials, their magnificent structural system and their use. For years our renowned architects have bent every effort to make these buildings look like what they are not. They have tried to make twelve-story buildings look like six, and six-story buildings like three, anything to avoid the appearance of height, which is their most inspiring aspect. Our "best designers" continue to degrade the inherent right of materials to speak for themselves, giving us stone cornices in tin, cast concrete to imitate cut stone, terra cotta wrapped around steel to stimulate the vari-

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1724 Chestnut Street : Philadelphia, Pa.

ous forms of masonry, and in every field violating the normal wholesome use of building materials. Just now this same false effort is directed toward securing clever grouping of parts, horizontally and vertically, toward making a "composition" instead of an organization,—a real building,—architecture.

But the tall office building has become a great architectural landmark, in spite of the interference of those who should have been the first to see its inherent power. And the day is coming when the American office building will be considered on its own inspiring merits. In various parts of the country there are now a few of these buildings, treated in a normal and rational manner. Most of them, however, belie this need and power to build which we have, and of which we should be so proud,—denying in their every appearance, their structures and their use,—ignoring utterly the fundamentals of architecture. Considering this building farther, it does not appear that those in the upper floors of the building can have anything in common with those in the lower floors, because the architectural story told by two parts of the building is so radically different. For we must remember, that, when use does not change, form does not change. This is a universal law, and must be so recognized. Now what do we have in the upper stories? Something very grandiose and splendid, doubtless. There appears to be a little touch of humor in the interlarded sixteenth story, and what, oh, what, takes place in the attic? Why cannot we be frank, and wise, and bold, and tell what is going on from pavement to roof? Why all this troubled machination to conceal, to belie and stultify? The general reader should remember that this building is built of steel, and the steel framework does not become larger toward the top, as would appear, for evidently the architect had a terrific time to enclose something up there, but just what it was, is not evident. It is also suggested that the architectural arrangement of the building, which apparently gives an extra measure of light, air and sunshine to those in the upper stories, who are doubtless well supplied, is the reverse of what would naturally be expected in a wisely planned and

arranged building. But one may not leave a great building of this kind, with a word of negation. Here is power; here is science, riches and skill and imagination; in other words, a great American enterprise shines forth in the regal bigness of this building.

This discursive comment on the "American Renaissance" is ventured into simply to help indicate, the more clearly and in a few words, the real nature and attributes of the finest or the fine arts; and to indicate also in what way the turning of the balance may be induced, so as to give America, fair and far-flung, an opportunity to triumph with materials in the way that has been witnessed at ever-recurring periods in the history of human kind.

Our social fabric is the architectural matrix; likewise our emotional content; the splendor of our spiritual enrichment; and our great now-forming commonwealth, with its world of moving material things, sum and substance of our commercial life.

The need and power to build is architecture.

Surely the need is now.

Surely the need is here.

And with overwhelming certainty is the power.

As a people we are practical optimists in all the arts but architecture, and in this art we are the most utterly gloomy pessimists, full of wretched forebodings, and given over to despair. Our buildings bear witness.

It is but a few years since a president of the American Institute of Architects declared in his annual address that he dreaded the day when the creative impulse of the American architect would be given free play.

We give our painters liberty to paint the face of Nature as they see it. We give our sculptors liberty to bring forth "sermons from stones." We give our musicians liberty to interpret the wonderful domain in which they move. We give our architects liberty to interpret into living things of beautiful usefulness, all our needs, our hopes, ambitions, dreams?

No. We give them liberty to copy, venally copy the noble work of other ages, designed



for other uses under alien skies, and then call it the American Renaissance!

Mr. Hopkins says, "To Italy the student, whether decorator, painter, or architect, must still go for his inspiration of things beautiful, for the detail studies which make up the finished technique of his trade, as well as for the analysis of broad lines and general principles of composition." This is a cruel joke, a parody. Creative power in any field of activity is indigenous to the soil. Witness Tolstoy, Wagner, Abraham Lincoln! Where did the Greek go for inspiration? Where did the Hindoo go? Where did the Chinese go? Where did the cathedral builders go? Are we poorer than these?

What antiquity has for us is inspiration, and while nourishing in our hearts the wholesome spirit of emulation for the glory of past achievement, we should have such controlling respect for the integrity of our own natures and the God-given creative impulse that copying architectural motifs should appear strange to us, and as cheap and contemptible as plagiarism in literature.

The creative faculty of the mind and soul of the American is marvelous. Untrammelled by tradition, he has seized upon the needs and materials at his hand, with a fecund imagination. His magic touch has called forth new organisms of compelling impressiveness and moment:

The harvester, the automobile, the color press, the aeroplane, the steel skeleton-construction, grain elevators, railroad trains, mile-long shops, a myriad growth of things built—a wonderhouse of new forms, American minted. Surely here is no Renaissance, and cannot be; but a virgin field for a great democratic architecture, its technique already in process of development.

"Others may praise what they like;  
But I, from the banks of the running Missouri, praise nothing in Art or aught else,  
'Til it has well inhaled the atmosphere of this river—also the Western prairie scent,  
And fully exudes it again."

—"The Craftsman."

### GOOD RULES FOR THE BUSINESS MAN.

Don't worry; don't overbuy; don't go security.

Keep a high vitality; keep insured; keep sober; keep cool.

Stick to chosen pursuits, but not to chosen methods.

Be content with small beginnings and develop them.

Be wary of dealings with unsuccessful men.

Be cautious, but when a bargain is made stick to it.

Keep down expenses, but don't be stingy. Make friends, but not favorites.

Don't take new risks to retrieve old losses —"Concrete Age."

Some people quit advertising during the dull season. No wonder it's the dull season. —"Dealers' Building Material Record."

### THE SEVEN WONDERS OF THE BUSINESS WORLD.

The man who will work without being watched.

A sales manager who doesn't think he pays the old man's salary.

A salesman who thinks that maybe the goods have something to do with his making those large sales.

A purchasing agent who doesn't think he does you a favor when he asks you to quote.

A new superintendent who will wait a week before installing a much better system than his predecessor's.

A stenographer who knows punctuation, and who will look into the dictionary when she is uncertain about the spelling.—"Dealers' Building Record."

### BRICK AND TILE OUTPUT WAS \$92,776,000 IN 1909.

Value of Product Increased 30 Per Cent. in Five years—With Nine Less Factories Than in 1904 the Capital Was Augmented by More than \$119,000,000—Industry Shows Material Gains for Five-Year Period.

A preliminary statement of the general results of the 13th census relative to establishments engaged in the manufacture of brick and tile was issued December 26th by Director Durand, of the Bureau of the Census, Department of Commerce and Labor. It covers building, fancy and ornamental brick, vitrified brick drain tile and any other brick-yard product.

The general summary shows increases in all the items at the census of 1909, as compared with that for 1904, except in number of establishments, which decreased from 4,634 to 4,215, or 9 per cent.

Capital invested increased 46 per cent.; the gross value of products, 30 per cent.; cost of materials, 45 per cent.; value added by manufacture, 26 per cent.; average number of wage earners employed during the year, 16 per cent.; amount paid for wages, 30 per cent.; number of salaried officials and clerks, 34 per cent.; amount paid in salaries, 54 per cent.; miscellaneous expenses, 35 per cent.; primary horsepower, 34 per cent.

The capital invested in 1909 was \$174,673,000, a gain of \$54,716,000, or 46 per cent. over \$119,957,000 in 1904. The value of products was \$92,776,000 in 1909, and \$71,152,000 in 1904, an increase of \$21,624,000, or 30 per cent.

The cost of materials used was \$23,736,000 in 1909, against \$16,317,000 in 1904, an increase of \$1,419,000, or 45 per cent. The value added by manufacture was \$69,040,000, or 26 per cent. This item formed 74 per cent. of the total value of products in 1909, and 77 per cent. in 1904. The value added by manufacture represents the difference between the cost of materials used and the value of products after the manufacturing processes have been expended upon them.

### SPACE FOR A SMILE.

Englishman (patronizingly)—"Your school facilities are excellent, I am told."

American (suavely)—"Well, I should say. See the Smithsonian Institution over there? Think of a building like that just to educate the Smiths."—Vogue.

\* \* \*

"Are you willing to live with me in a cottage?"

"Yes, dear; provided it is a cute little cottage with a dozen rooms, three baths, steam heat, a butler, cook, dining room and upstairs girl."

\* \* \*

"If I were your lips to kiss,  
Would you tell your ma, sweet miss?"  
"I am not, sir," answered she,  
"A bureau of publicity."

Boston Transcript.

\* \* \*

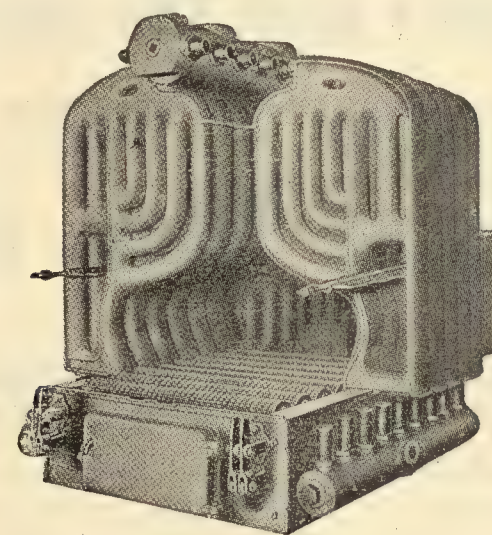
Stop a bad account at once.

Make plans ahead, but don't make them in cast iron.

Don't tell what you are going to do until you have done it.—Exchange.

Your salesman would consider himself fortunate to get **ONE TEN-MINUTE INTERVIEW** with a busy architect **IN THREE MONTHS**. We **REACH** and **TALK DIRECT** to men of this calibre **FIFTY-TWO WEEKS IN THE YEAR!**

Putting it as a plain business proposition, don't you think the advertisement of your firm ought to appear in the home trade paper? Don't you think it would pay you to be represented in the Reference Directory on the inside back cover?



### The Mills Water Tube Boiler

Represents the Highest Type of Boiler Construction

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**"THEY GRIP THE FOOT"**

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### NEW YORK TO HAVE ARCHITECTURE AND ENGINEERING SHOWS.

Architecture of the world is promised in drawings and models at the second annual Architecture and Engineering Exhibition to be held at the 71st Regiment Armory, Park avenue and Thirty-fourth street, from March 25th to 30th.

Models have already been completed of buildings in Japan, China, Africa and India; and leading architects have been invited to contribute models of prominent buildings contemplated or in course of construction in this country. Architectural and engineering schools and colleges will also exhibit models or drawings made by their students.

### RECENT TRADE LITERATURE.

"Things That Never Would Have Happened if They Had Read the Q & E Book" is a unique piece of advertising literature published by the Murphy Varnish Company, Newark, N. J. It is designed after the fashion of a child's picture book and must be seen to be appreciated. The Murphy Varnish Company's slogan, "Quality is Economy," is brought prominently to the reader's notice.

\* \* \*

The "Mason Builder," a monthly house organ of the Charles Warner Company, devotes its December issue to the cement gun, the principal data being contained in an address by William A. Jordan delivered before the Society of Engineering Contractors, November 14, 1911.

\* \* \*

A catalogue of mantel designs published by the Bradford Pressed Brick Company, of Bradford, Pa., will appeal to architects who are familiar with the possibilities of brick in this branch of interior design. The catalogue gives not only a wide choice of unusually attractive designs, but valuable suggestions as to color and quality.

\* \* \*

An attractive catalogue issued by the Erkins Studio, 305 Madison avenue, New York City, shows a group of beautiful designs for hall and garden decoration in marble, stone and "Pompeian stone." Some of these designs are original, others copies of approved European examples. Copies of this catalogue will be mailed free on request.

\* \* \*

"Herringbone Expanded Metal Lath: Its Use and Adaptability," is a pamphlet sent out by the General Fireproofing Company, of Youngstown, Ohio. Complete specification for

the usual forms of walls, ceilings, partitions, etc., are a feature of this clever pamphlet which will be sent free on request to persons interested.

\* \* \*

"Floors: Their Finish and Care" is the title of an interesting booklet put out by A. S. Boyle & Co., of Cincinnati, Ohio, rehearsing the merits of the well-known finishes manufactured by this concern.

### MORE OR LESS PERSONAL.

The George M. Newhall Engineering Company announce the removal of their general offices to 807-8-9 Morris Building, 1421 Chestnut street, Philadelphia.

\* \* \*

Walter Cook, of the firm of Babb, Cook & Welch, has been selected by the Court House Board of New York City as the consulting architect. Mr. Cook is president of the American Institute of Architects. Alanson T. Briggs has been chosen as permanent secretary of the Court House Board.

\* \* \*

William C. Morton has been appointed sales agent for the Consolidated Rosendale Cement Company, 50 Church street, New York City, in place of George G. Gleason, resigned. This change took effect January 1, 1912.

\* \* \*

George Gibbs, of Westinghouse, Church, Kerr & Co., who was the engineer in charge of the electrification of the Pennsylvania Railroad through New York City, has received the Norman medal from the American Society of Civil Engineers.

\* \* \*

John C. Wandell & Co., architects, removed to 4 and 5 Court Square, Brooklyn, on February 1.

\* \* \*

Trowbridge & Ackerman, architects, 114-116 East Twenty-eighth street, New York City, will occupy the north half of the eleventh floor of 62-64 West Forty-fifth street, after March 1.

\* \* \*

A. M. Duncan, architect, formerly of 29 Broadway, has moved his office to 68 Broad street, New York City.

Each subscriber to "The Builders' Guide" pays five dollars a year for it because it is necessary to his business. And every reader of "The Guide" is a constant user of materials used in the building trades.

If your proposition is one that should appeal to architects, builders, building owners, decorators, material and supply concerns, "The Builders' Guide" is the right medium for your advertising and cannot fail to bring you profitable returns.

There is no "waste" circulation to "The Guide." Every reader is engaged directly or indirectly in the building field.





Architects  
McGoodwin & Hawley, Phila.

TWIN RESIDENCE, ST. MARTIN'S, PHILADELPHIA  
Built by DR. GEORGE WOODWARD for W. W. WATSON and CHARLES HAY

## Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

\*\*According to the yearly financial statement just issued by Comptroller Prendergast, New York City, now has the unenviable distinction of possessing a bigger debt than the Federal Government. During 1911 the funded debt of that city increased by \$71,432,485, reaching a total of \$1,037,811,718, or about \$20,000,000 more than the debt of the United States.

\*\*The corporation of William T. Ritch (Inc.), specialists in insurance, has been changed to Ritch-Hughes Company, owing to their increasing business and desire to give greater personal attention to their clients. Their offices will continue to be at 1123 Broadway, and the officers are William T. Ritch, President; Walter A. Hughes, Vice-President; Stanley Ritch Smith, Secretary. They presented a very handsome leather wallet to each of the members and guests at the recent

Building Trades Employers' Association dinner at the Waldorf-Astoria.

\*\*The sprinkler installation companies report marked activity in their line largely due to the material reductions in rates which have recently been made and which have greatly increased the profit of installation. This profit, however, goes to the owners of the plant and not to the sprinkler companies, the latter complaining that the competition is so severe that prices have been cut to pieces and little profit remains in it for them.

\*\*The Universal Safety Tread Company has opened a new office in New York at 200 Fifth avenue, in charge of Mr. H. F. Stevenson. This takes the place of their former office at 50 Church street, and with larger facilities they expect to be able to do and handle a very greatly increased business.

\*\*One of the biggest interior marble con-

tracts that has been given out in a long time has just been awarded to the Tompkins-Kiel Marble Company, 505 Fifth avenue, New York. This is for furnishing all the marble for twenty-one stories of the new Woolworth Building, Broadway and Barclay street, New York. It will require about 40,000 square feet of slab marble in all. The marble selected is the Green Vein Cream and Eastman's Siena.

\*\*The Builders' Exchange and the Builders' Club, of Milwaukee, held their annual elections on Tuesday, January 9. A lively interest was shown in both instances, as the results were not certain until the last votes were counted. The Exchange officers elected were: President, J. Bonnett; First Vice-President, John A. Dahlman; Second Vice-President, John Bogenberger; Secretary, Emil Goether, and Treasurer, Anton Hennacke; directors for three years, Arthur W. Riesen, William Gregory, Fred Moritz and Frank Spitz. The following were elected club officers: President, William Gregory; First Vice-President, Louis Greenwith; Second Vice-President, Alf. H. Wegner, and Secretary, A. J. Maag; directors for three years, Anton Hennecke, Aug. Bartlett.

\*\*The National Lime Manufacturers' Association held a two days' convention at the Hotel Astor, on February 2d and 3d.

(Continued on page 102)



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PHILADELPHIA, PA., FEB. 7, 1912.

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ADAPTING THE HOUSE TO THE  
MAN—A NEW, "GERMAN" IDEA.

German architecture is responsible for an innovation abroad which, however much it may be criticized upon the decorative side, is not without a good, solid foundation of the most excellent common sense. This innovation consists in adapting the house to its occupant rather than the occupant to the house. Suppose we make this plainer by contrasting this German idea with our own. Here in the United States we design a house to meet not the practical requirements of the man for whom it is to be built, but, let us concede it frankly, after the accepted fashion governing such things. In other words, we plan for the man the kind of house the world decrees it is proper for a man in his station in life to occupy, rather than the kind of house the man himself might be expected to want. True, we have assembled, in this practice, some very beautiful and successful homes. That, however, is beside the issue. In Germany there is growing up a school of architects whose ideas are in every sense antipodal to this smug, deferential, Madame Grundy method of ordering things. There the house is designed for the man. And, as an exchange pertinently remarks, as there can be "no rhyme and reason for a twentieth century man living in a seventeenth century house," the houses designed by this new school are present-day in every particular, from exterior design down to the most commonplace interior fittings. Even the furniture, in these German homes, is designed to meet present-day conditions of living. The governing consideration at every point is utility to meet the special requirements of the occupant in view. That beauty is not to any hideous degree sacrificed in the evolutionary process involved we are assured by those who have had the opportunity of examining the work of this new German school. And by way of "clincher" let us once again quote the exchange in question: "Think what a blessing a house without dust-gathering bric-a-brac would be!"

"THE QUANTITY SURVEYOR."  
AN INTERESTING SUGGESTION.

An editorial in "The Southwest Contractor," of Los Angeles, advances a suggestion with reference to the feasibility of which "The Guide" would be glad to canvass the opinion of its many readers. Pointing out the present unnecessary waste of time and expenditure in "figuring plans," it contributes the suggestion that the English custom of having a "surveyor" take off the quantities for all bidders might prove a time and money-saving innovation. To quote the language of the editorial in question:

"Bending over a set of plans for a large building, a contractor who is accustomed to figure on most of the medium large buildings was carefully taking off the quantitative esti-

mates of the beams, columns, walls, etc., with the help of an assistant. The columns of figures had already reached a total length of several feet and this comprised only a part of the full amount of quantities involved. To figure this particular set of plans means about a good month's work. There are at least nine contractors figuring these plans, of whom of course but one can get the contract; hence approximately eight months' time is to be wasted by the unsuccessful contractors, the greater part of which was spent not in actually making up their price for the work, but in the preliminary work of determining how much material is required before they can obtain their figures from supply men on the cost of the material.

"This incident is related to indicate where in a vast improvement may be made in the system under which contractors must work. Not everywhere does such a time-wasting system prevail. In England, notably, the contractors are not compelled to do their own quantitative estimating. There they have what is termed a quantity surveyor, a man whose profession it is solely to take off an accurate list of quantities, and who is paid a commission in much the same way as the architect. When the architect has completed his plans he takes them to the quantity surveyor and obtains a detailed estimate of all materials, etc., entering into the work. This quantity survey is then furnished the contractors with the set of plans, hence the contractors are each saved that labor.

"While in the Southwest it would probably be impossible to establish such a system in view of the fact that owners are adverse to paying for professional services whenever they can avoid doing so, we suggest that here is an opportunity for a bright estimator, well versed in his work and who has an established reputation, to branch out into a field of work that we believe would prove profitable not only to himself, but to the contractors. He would probably not be able to obtain pay for his services from the owner, but we believe that an accurate and dependable bill of quantities would be paid for by the several contractors figuring the particular piece of work in an amount sufficient to equal the best salary aid estimators, if not more. It would amount to the contractors chipping in and paying for the services of a quantity estimator together, rather than each either spending an equal amount of time for the same purpose, or hiring an individual estimator.

"Some might interpose an objection to this on the score that not all contractors use the same amount of material in a job. Where one by careful planning can put up the building with a certain amount of material, another through waste would require much more. The contractor who found that through his own lack of experience or watchfulness or through the inefficiency of his foremen he needed more material than the quantity estimate furnished him and hence had to expend more money for additional material, would learn this fact after one or two trials and govern his bid accordingly.



"This plan, we believe, would work out admirably. It would serve to put the contractors on a more equal footing in making up their bids, and while by no means restricting competition, would give the owner and the architect a more dependable list of bids through eliminating one of the great chances for mistakes made by contractors. And mistakes in estimating, it is well known, have won many contractors jobs on which they have lost much money.

"With uniform accurate quantity estimate on which to base their costs, contractors could the more freely bid in competition on doing the work, and would in many cases shave down their figures considerably because they would not have to add, for unlooked-for contingencies, so large a sum as the 'safe bidder' does under the present system.

"To successfully establish himself, the quantity surveyor would, of course, be compelled to put his work on a professional basis, for his success would depend not alone on ability, but on integrity and irreproachable honesty as well."

May "The Guide" ask the favor of an expression of trade and professional opinion with reference to this suggestion?

#### FADS IN BUILDING AS INFLUENCED BY THE IMITATIVE FACULTY.

"House and Garden" had an interesting editorial in a recent number on "Fads in Building," ranging from the passion for imitation which brought about a small deluge of Gothic office buildings in a not distant city, down to the bungalow craze, still raging, which is dotting the countryside with all manners and conditions of structures mislabelled after this—under given conditions—pretty and picturesque type of dwelling.

In the course of the editorial there appears a highly amusing reference to a Massachusetts man who tried the experiment of erecting his house after the octagonal in place of the usual square or rectilinear fashion.

"The result of this brilliant idea was an octagonal house," says "House and Garden." "History does not record what he said when he discovered that each additional angle necessitated waste at the corners in work and joinery; but he finished his structure and left it an architectural eyesore. But he got his revenge in the way his house was copied, so he was not alone in his discomfort. To-day one may find scattered through the State octagonal pill-box houses with octagonal wings; octagonal houses of every size and condition.

"Not so different was the imitation which has left in some sections of our suburbs the melancholy remains of what is sometimes called the late Victorian type. Possibly some of us do not have to walk far from home to see rows of houses decorated with intricate sawed and turned grille work, cut-out moons and stars and little Turkish minarets. The wave of these grotesque styles has swept over

sections of this country and left a haphazard flotsam and jetsam of fad building.

"It is not so much American architecture that is at fault, but it is the peculiar compelling force of imitation that seems to make men follow the false lead of the first bizarre builder they see. We notice this same thing in modern dress. A new cloak is designed with some novelty of color, texture or cut, and presto, it is reduplicated by thousands. What is it that drives the whole country like sheep after the wether? It seems no other force than the tinkle of the bell of novelty. It is this that spread the bungalow so widely through the land until its simplicity and honesty were lost and every conceivable form of structure from summer-house to ten-story apartment were designed after it.

"The remedy will not come from the evolution of an entirely new, absolutely different style. Such a thing would be apt to die from this reduplication. It is much better to be reactionary and still stay with the old traditions than seek an ideal type that has nothing but an air foundation and is built from the roof downward. Let some of us remain original in clinging to the established and the tried until the new can offer us a sane development with utility and beauty as twin considerations."

#### MAYOR BLANKENBURG, HIS JOURNALISTIC CRITICS AND THE PARKWAY.

Mayor Blankenburg, of Philadelphia, is coming in for some criticism because, while favorably disposed to the more or less grandiose scheme of improvement embodied in the "Comprehensive Plans," he cannot see how expensive projects of the kind are to materialize without serious hurt to more vital phases of municipal management. "The Guide" finds it impossible to agree with those who criticize the Mayor for a stand so obviously founded upon good common sense as well as the plainest business prudence. That many of the improvements outlined in the comprehensive plans are really necessary to the development of the city along lines modern and accepted, is as plain to the Mayor, we take it, as to every other intelligent and progressive Philadelphian. It should none the less be apparent to those who are so ready to criticize that for the Mayor to support, at this time, a spendthrift policy with reference to these improvements would be to bring down upon his administration the sharpest condemnation and reproach at the hands of that great and influential element among our citizenship which is looking hopefully to him for an administration business-like and economical. Progress can be made in the matter of these plans of a substantial kind without plunging the city's finances into any deeper quagmire than that which now engulfs them. Mayor Blankenburg needs no justification for seeking to know in advance how a more than partial effort may be prosecuted in this direction in the absence of a definite scheme to provide for the enormous

expenditures which these improvements will make necessary.

In this connection a suggestion advanced by the "Press" strikes "The Guide" as being pre-eminently sensible and timely. "Let a Commission of Architects," says the "Press," examine the problem (the Parkway), and report as to the smallest sum by means of which the project can be kept alive, and the best way of making use of the space already cleared of business." Here is a suggestion worthy of consideration. The Parkway is, essentially, an architectural problem. Let a committee of representative Philadelphia architects take up with the Mayor such an adaptation of the over-grandiose original plan as will serve to bring it within the limitations of a reasonable expenditure. "The Guide" believes that this can and will be done without serious impairment of any of the essentials of a really great urban boulevard.

#### CHIMNEYS AS DECORATIONS.

The position of chimneys has a marked effect on the beauty of the house. Economy says that they should be few and good architecture agrees. If they are on the outside of the house make the most of them, for massive, well-balanced chimneys lend a picturesqueness and a sentiment that no other feature can contribute. Allied to the hearth at their foot they are an emblem of comfort and the focusing point of family life, according to "The House Beautiful." Where the house is of moderate cost only one chimney should be considered—one, well-designed and dignified being worth several "dinky" ones. Not only do these look poor, but they signify bad planning, for in an inexpensive house a single chimney should be made to take the furnace and kitchen flues, a fireplace in the living room, and perhaps one upstairs. Such economizing generally means an interior chimney, but this, though adding but little as a "note" outside conserves a greater amount of heat and thus reduces the coal bill. By all means avoid the unsightly second chimney, long and thin, that so often rises outside the kitchen end of the house. It is unsightly and impractical, for a single flue exposed to cold air for the greater part of its height becomes so chilled that it is subject to down draughts that try many a poor cook's temper, and that can be avoided if several flues are clustered in one big masonry shaft. Besides, any chimney built on the outside wastes the heat; although on the more costly houses no good architect would stop to consider this objection if he felt the need of them in his "picture." Indeed where walls are thick and solid, as they should be in a costly house, they permit no heat from fires or flues to escape through them.

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## New Ideas, Materials and Devices

Innovations in Material and Equipment That Merit the Interest of Architect and Building Owner—A Running Resume of Novelties More or Less Recent.

### The Winthrop Asphalt Shingle:

This shingle, manufactured by the Winthrop Asphalt Shingle Company of Chicago, has a number of advantages calculated to commend it as a durable, fireproof and unusually attractive roof covering. It is claimed for it that it lasts longer and looks better than dipped or painted shingles, that it resists drastic atmospheric changes better than slate, that being a non-conductor of electricity it furnishes protection against lightning, that it is comparatively inexpensive and is easy to apply. This shingle is made 8x10 inches in size and tapered like a wooden shingle, a trifle less than a quarter of an inch thick at the butt or weather end. This thick butt is solid, non-volatile asphalt compound, reinforced with tough fibre. This thickness at the butt is not obtained by gluing a piece of saturated felt on the base, but is solid asphalt composition clear through, so combined with the saturation in the base as to become an integral and inseparable part of it. The finished roof of asphalt shingle present a very handsome appearance. The Frank C. Gillingham & Son Co., Morris and Richmond streets, Philadelphia, are the sole distributing agents for the Winthrop shingle for Eastern Pennsylvania, New Jersey and Delaware. Des-

criptive literature and samples on application.

### Vacuum Steam Heating:

"The reliable" system of vacuum heating manufactured by the Bishop-Babcock-Becker Company, of Cleveland, Ohio, is said to furnish a satisfactory solution of the vexatious heating problem wherever installed. It consists of an air suction pump and condenser located in the basement and automatic air valves connected to the radiators. The pump is said to maintain a partial vacuum and to keep the pipes and radiators free of air. Booklet on application.

### "Pyralin" Bathroom Devices:

These attractive fixtures for the modern bathroom are the products of the C. J. Church Manufacturing Company, Holyoke, Mass., and embrace a number of specialties worthy the attention of architects and building owners. Closet seats, covers and other fixtures covered with white sheet pyralin put on by a patented process, showing neither joints nor seams are among this company's well-known devices. An illustrated booklet covering the full range of the Church Company's products may be had free on request.

### TRADE NEWS AND GOSSIP (Continued.)

\*\*A notable effect of the "Back to Brick" movement here in the East is the activity of front, as well as common brick, manufacturers to meet the various requirements of architects and builders. A conspicuous instance is found in the case of the Kittanning Clay Products Company, of Bradford, Pa., for which Houghtaling & Wittpenn, of New York City, are the Eastern distributors. This novelty is in the form of a brick measuring 4x16x8 inches, made in either sharp or beveled edges and designed for use in belt courses and foundation work. It is possible to produce this brick in various shades and colors, and in various effects. A greater tensile strength, cheaper laying costs and greater uniformity of color are claimed for this novelty. For facade veneers it is designed to serve where limestone and terra cotta now are used.

\*\*Fiske & Co., Inc., sent out invitations this week to architects, builders and owners of buildings to visit its new offices in the Arena Building, 40 West Thirty-second street, New York City, where a permanent exhibit de luxe of "tapestry" brick has been installed. Four rooms are devoted to this portrayal of the possibilities of working in

rough-surfaced brick in facades, walls and for interior decoration, such as fireplaces, etc.

\*\*Still another novelty is the application of the beveled edge paving brick idea into face brick manufacture. It is apparent that the intention is to give to architects the charm of masonry with smaller working units, and at the same time avoid characterless surfaces. The brick is not yet on sale in the Eastern market, although it is being distributed in the Middle West. The effect is obtained by a special die manufactured by a large Western clay machinery company. It is claimed for this type of brick that it effects economy in mortar costs, as a very narrow course is used, yet producing the wide bond effects which recently have become popular with architects of discernment.

\*\*The Security Lime and Cement Company will soon start, at Berkeley, W. Va., the erection of a \$30,000 lime plant. Plans were drawn by Architect E. W. Lazek, of Wilmington, Del.

\*\*The Asbestos Protected Metal Company, which recently took over a new plant at Beaver Falls, Pa., will enlarge the building and increase its production. The industry is a comparatively new one in the Pittsburgh market.



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**THE CONCRETE LIFE.**

(Thomas A. Edison says the furniture in  
the concrete house of the future will likewise  
be of concrete.)

At Jones' concrete bungalow

Brown rang the concrete bell;

('Twas in the newest concrete row,

In neighborhood quite swell.)

On concrete rack he hung his lid,

And in a concrete chair

He sat, while Jones' youngest kid

Dashed up the concrete stair

And told his pa Brown had arrived,

Whereon from concrete bed

For concrete hair brush Jonesy dived

And brushed his Sunday head.

And Brown's foot tapped the concrete floor—

He studied concrete art

In concrete frames, while more and more

He felt impatience start.

The concrete clock upon the wall

Ticked its concretest tones,

But, echoing through the concrete hall,

Came not his good host, Jones.

The leaves of concrete books Brown turned,

He hummed a concrete tune,

And for a concrete meal he yearned—

'Twould be a concrete boon.

At last they came, with sweetest looks;

Delay in coming down

Was caused by busted concrete hook

In Madame's concrete gown!

Denver Republican.

**CALCULATING SLATE REQUIRED  
FOR A ROOF.**

It should be understood, when measuring  
up a roof in order to calculate the number of  
slates required to cover it, that more than  
one-half of a slate is covered up, and, conse-  
quently, every part of a roof has at least  
two thicknesses of slate, and three thicknesses  
where the lap proper occurs; that is to say,  
a roof requires more than double the quantity  
of slates that would be necessary to cover it  
if they were spread out side by side, says a  
writer in an English exchange. Therefore, to  
get the quantity of slates in a course, divide  
the width of a slate into the length of the  
roof; then divide the exposed length of the  
slate into the width of the roof; by multiply-  
ing both together, the superficial quantity  
is given; double this, and add the lap of each  
course.

Under-eaves and top-course slates should  
be counted as full slates; stacks under four  
feet are not allowed for, as the time used in  
cutting around, offsets the quantity of slates  
not used; and hips, valleys, etc., should be  
measured for length in the center of the roof,  
and about one foot extra should be allowed  
for cutting.

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## Trade News and Gossip

Cullings from the Week's News, with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

\* \*The Lumbermen's Exchange of Philadelphia held its regular monthly meeting on January 4, President William C. MacBride in the chair. After the reading of the minutes of the previous meeting, Frederick S. Underhill, chairman of the Panama Canal Committee, to prepare the city for the opening of the canal, reported that at a meeting held by his committee it was

"Resolved, That the chairman confer with other trade organizations and request the appointment by them of a similar committee of five members, the chairman of each of the committees to constitute a joint committee to devise ways and means to be taken up and carried out by the rest of the several committees, for the necessary preparation of Philadelphia for the opening of the Panama Canal. S. Ashton Souder moved that the Lumbermen's Exchange of Philadelphia recommend to the United States Senate the adopting of the Arbitration Treaty now before that body, without amendment. The rest of the meeting was devoted to routine matters."

\*The annual meeting and banquet of the Philadelphia Wholesale Lumber Dealers' As-

sociation, heretofore held in the historic Union League club house, for one reason and another, came off this season at the Manufacturers' Club, on the evening of January 11th. As is the custom of the association, the gastronomical feature preceded the business of the meeting. At this select function business as a rule is a secondary consideration, the election of officers for the ensuing year being the principal matter to be taken up. There was evidently a unanimous sentiment as to who should govern the association's affairs for 1912, and in the election of Horace A. Reeves, Jr., of R. B. Wheeler & Co., president; Owen M. Bruner, president Owen M. Bruner Company, the retiring secretary and treasurer of the association, vice-president, and Ralph Souder, of Eli B. Hallowell & Co., secretary and treasurer. Charles J. Coppock, R. B. Rayner and R. W. Wistar were elected directors to serve for three years.

\*Headquarters of the Corrugated Bar Company, formerly at St. Louis, Mo., were moved October 14th to Mutual Life Building, Buffalo, N. Y., where the company should now be addressed. A district sales office will

be maintained at St. Louis, and the district offices at Chicago and New York will be continued, to handle the company's increasing business.

\*The subscriptions to the annual banquet of the New York Lumber Trade Association, which will be held at Delmonico's on Thursday, February 1, insure the usual successful gathering. The banquet hall at Delmonico's is admirably suited for an affair of this kind, and every table will have a good position.

### REAL ESTATE TRANSFERS.

Summary for week ending February 3rd, 1912:

Number of transfers.....	460
Amount of transfers.....	\$3,281,384.50
Cash consideration .....	353,009.50
Mortgage consideration .....	2,928,875.00
Ground rent consideration.....	12,154.66
Which on a six per cent. basis amounts to .....	202,587.67

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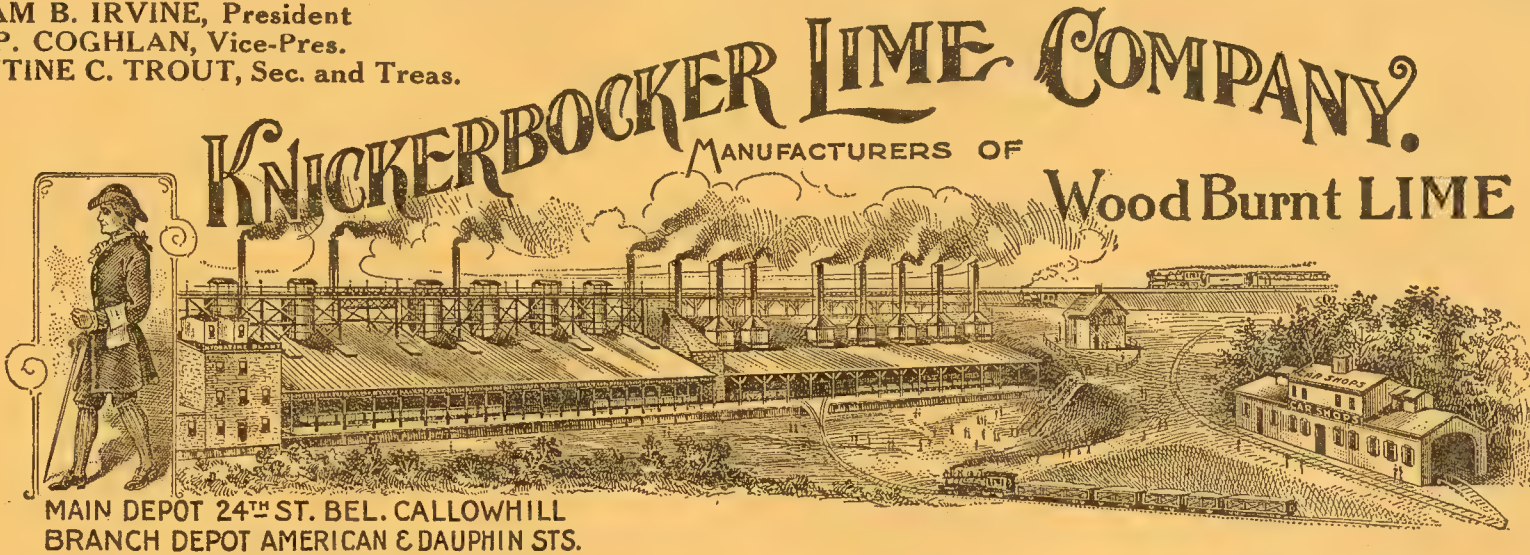
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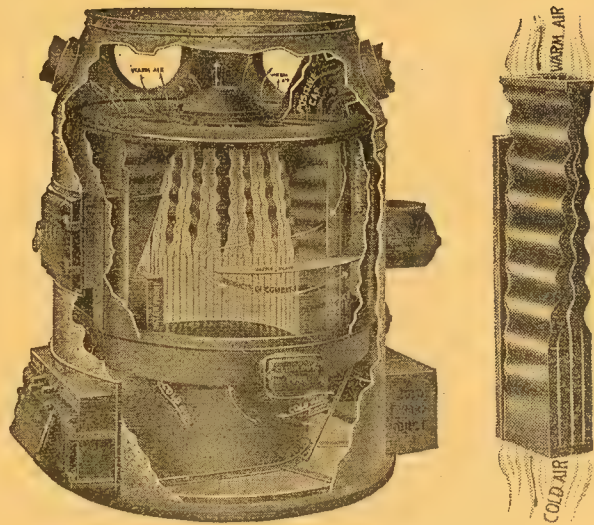
# THE PHILADELPHIA REAL ESTATE RECORD AND *Builders' Guide*

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Vol. XXVII., No. 7. PHILADELPHIA, WEDNESDAY, FEBRUARY 14, 1912.

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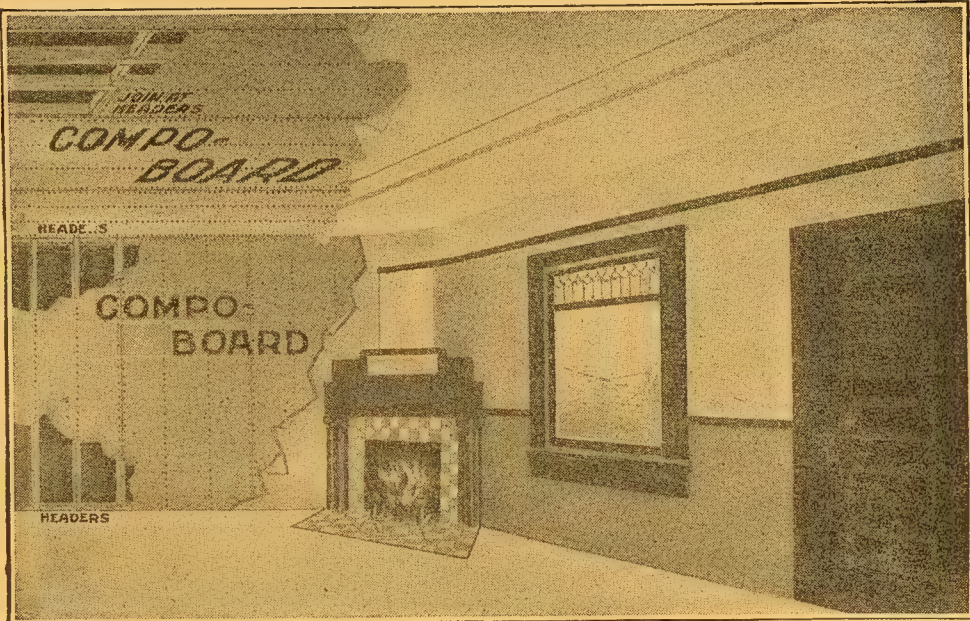
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# The Philadelphia Real Estate Record and BUILDERS' GUIDE

Containing Official Bulletin of the Master Builders' Exchange.

Vol. XXVII., No. 7.

PHILADELPHIA, WEDNESDAY, FEBRUARY 14, 1912.

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## Construction News

**New Operations; Architects and Owners; Cost Limit; Last Days of Filing Bids; Firms Figuring; Character of Material and Equipment Required; a Budget of Opportunities for Builders, Supply and Specialty Houses.**

**Church, Ambler, Pa., \$30,000.** Architects, Lachman & Murphy, Witherspoon Building. Owners, Methodist Episcopal congregation, Ambler, Pa. Stone, one story, slate roof, electric lighting, steam heating. Architects will take bids in about a week or ten days.

**Store, Office and Apartments (alt. and add.), Coatesville, Pa.** Architect, H. I. Reinhold, Tenth and Sansom streets. Owner, I. Goldberg, Coatesville, Pa. Brick, three-story addition, 20x25 feet, and interior alterations. Architect taking bids, due in a few days. The following are figuring: H. Osborne, W. H. B. Thompson, I. J. Hindman, J. Elessor, T. T. Stine and W. J. Elliott, all of Coatesville, Pa.

**Barn, Lenape, Pa.** Architects, Duhring, Okie & Zeighler, Bailey Building. Owner, Charles H. Mather, Lenape, Pa. Stone and frame, three stories, 70x64 feet. Shingle roof, electric lighting. Plans in progress.

**Stores (alt. and add.), Fifty-second and Master streets.** Architect, W. C. Klein, Jr., 1519 North Fifty-sixth street. Owner's name withheld. Three dwellings into stores. Brick, two stores, hot water heating, electric lighting. Plans in progress.

**Residence, Pottstown, Pa.** Architects, Lachman & Murphy, Witherspoon Building. Owner, F. H. Keiser, care of architect. Brick or stone, three stories, 40x40 feet. Slate roof, electric lighting, hot water heating. Preliminary plans in progress.

**Residence (alt. and add.), 108 West Queen lane, Germantown.** Architects, Morris & Erskine, Crozer Building. Owner, Mrs. M. M. E. Hess, on premises. Brick and stucco, two and one-half stories addition, 26x25 feet. Metal roof, interior alterations. Architects taking bids, due February 25th. The following are figuring: H. E. Grau Company, 1707 Sansom street; William H. Gruhler, 219 High street; R. C. Ballinger & Co., 218 North Thirtieth street.

**Residence, Bala, Pa.** Architects, Day Bros. & Klauder, 923 Chestnut street. Owner, Isaac W. Roberts, Land Title Building. Stone, two and one-half stories. Plans in progress. Architects will take bids in about three weeks.

**Alumni Building, Broad and Columbia avenue.** Architect, private plans. Owners, Kene-

seth Israel Congregation, care of Harry Hirsh, 622 Real Estate Trust Building. Limestone and brick, one story, 65x125 feet, electric lighting, slag roof. Owners taking bids, due February 15th. The following is a complete list of bidders: Lam Building Co., 1001 Wood street; Sax & Abbott, Hale Building; Charles McCaul Co., Tenth and Sansom streets.

**Church, Fox Chase, Philadelphia.** Architects, Henon & Boyle, 14 South Broad street. Owners, St. Cecilia's R. C. Church, Fox Chase, Philadelphia. Stone, one story, 60x130 feet, electric lighting, steam heating, slate roof. Plans in progress.

**Bungalow, Sharon Hill, Pa.** Architect, Francis G. Caldwell, Stephen Girard Building. Owner, Dr. P. G. Skilleran, 241 South Thirtieth street. Stone and frame, two stories, 20x40 feet, shingle roof, electric lighting. Architect has received bids.

**Twin Residence, Bala avenue, Bala, Pa.** Architect, William C. Prichett, 418 Walnut street. Owner, Howard L. Neff, 115 Walnut street. Stone and frame, two and one-half stories. Plans are not yet started and bids will not be taken for six or eight weeks.

**Building for Auction Rooms (alt. and add.), 910-13 Walnut street.** Architect, private plans. Owners, Davis & Harvey, 1112 Walnut street. Brick, two story addition, 30x113 feet, slag roof, electric light. Owners have received bids.

**Residence, Haverford, Pa.** Architects, Duhring, Okie & Zeighler, Bailey Building. Owner, Charles R. Wentz, 1727 Land Title Building. Stone and half timber, two and one-half stories, 43x39 feet, shingle roof, hardwood floors, electric lighting. Architect taking bids, due February 23d. The following are figuring: R. C. Ballinger & Co., 218 North Thirtieth street; A. L. Fretz & Son, 1224 Chancellor street; J. S. Wilson, 1125 Brown street; Geo. L. Croll, Bryn Mawr, Pa.; Gray Bros., Rosemont; William R. Dougherty, 1608 Sansom street; Stacey Reeves & Sons, 1611 Filbert street.

**Connecting Bridge over Filbert street, \$12,000.** Architects, Stearns & Castor, Stephen Girard Building. Owners, Lit Bros., Eighth and Market streets. Steel, concrete. Architects have received bids.

**Residence, Wilmington, Del.** Architect, Robeson Lea Perot, 26 South Seventeenth street. Owner, Alexis DuPont, on premises. Frame and plaster, three stories, 30x60 feet, electric lighting, steam heating, slate roof. Architect has received bids.

**Office Building (alt. and add.), 324 Walnut street.** Architect, private plans. Owners, Kahn & Greenberg, 137 South Thirteenth street. Lessees, Maryland Casualty Company. Brick, four stories, entire new front and extensive alterations to the interior for offices. Plans in progress. Owners will take bids in about a week.

**Synagogue, 2304-06 North Mascher street.** Architects, Magaziner & Potter, 137 South Fifth street. Owners, Love of Israel Congregation, on premises. Brick and stone, two and one-half stories, 36x92 feet, tin roof, electric lighting, steam heating. Architects have received bids.

**Moving Picture Theatre (completion), Germantown and Cheltenham avenues.** Architects, J. D. Allen & Co., Denckla Building. Owner's name withheld. Brick, one story, electric lighting, hot water heat, slag roof. Architects have received bids.

**Warehouse (add.), Stable and Garage, Second and Wilkey streets.** Architects, Ballinger & Perrot, 1211 Arch street. Owner, William Montgomery & Co., on premises. Brick and concrete, two stories, 75x43 and 32x35 feet, slag roof, electric lighting, steam heating. Architects taking bids, due February 15th. The following are figuring: Irwin & Leighton, 126 North Twelfth street; Cramp & Co., Denckla Building; Turner Forman Co., 1314 Arch street; A. R. Raff, 1635 Thompson street; B. Ketcham's Sons, 1020 Brown street; Wm. J. McShane, 417 South Thirtieth street.

**Factory, Franklin and Vine streets.** Architects and builders, Wm. Steele & Sons Co., 1600 Arch street. Owners, Hensel & Colladay Co., care of architects. Brick and concrete. Plans in progress. Too early for details.

**Restaurant (alt. and add.), 1603 Spruce street.** Architects, Stewardson & Page, 411 Walnut street. Owner, Dr. J. Norman Henry, on premises. Brick, four stories. Architects taking bids, due February 15th. The following are figuring: Stacey Reeves & Sons, 1611



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Filbert street; William R. Dougherty, 1608 Sansom street; J. P. Thompson, 1432 South Penn square; J. Myers & Sons, Witherspoon Building; F. E. Wallace, 1210 Sansom street.

Stable and Warehouse, 506-508 North Orianna street. Architect, C. W. Lueder, 475 North Fourth street. Owner, Louis Hillemann, on premises. Brick, two stories, 40x72 feet, electric lighting, steam heating, slag roof. Architect has received bids.

Hall Building, Camden, N. J., \$60,000. Architects, Heacock & Hokanson, Bailey Building. Owners, Free and Accepted Order of Masons, Camden, N. J. Brick, stone, terra cotta, 50x40 feet, steam heating, two stories, slag roof, electric lighting. Contract awarded to Geo. Bachman, Camden, N. J.

Storage House, Fifty-second and Filbert streets. Architect, R. Werner, 5146 Market street. Owners, William Freihofer, Esq., Twentieth and Indiana avenue. Brick, three stories, 40x115 feet, slag roof, electric lighting, steam heating. Contract awarded to Haibach Contracting Company, Twenty-sixth and Thompson streets.

Armory (alt. and add.), Broad and Callowhill streets, \$60,000. Architect, private plans. Owners, First Regiment Infantry Association, N. G. P. Reinforced concrete, hardwood floors, interior alterations to basement, 135x150 feet, swimming pool, bowling alleys, steel lockers (1,600), electric lighting, steam heating, electric elevator. Contract awarded to E. E. Hollenbach, Fifteenth and Race streets. Plans in progress. Will take sub-bids when plans are completed about April 1st.

Rectory (alt. and add.), Thrytr-nnth and Locust streets. Architect, W. J. Wetherill, 328 Chestnut street. Owner, St. Mary's R. C. Church, on premises. Interior alterations. Architect has received bids.

Warehouse, 250-52 North Third street. Architect, Jacob Nasobold, 723 Walnut street. Owner, S. E. Deihl. Brick, concrete, two stories, 50x100 feet, slag roof, electric lighting, steam heating. Plan in progress.

Laundry Building, Broad and Fitzwater street. Architect, E. S. Lemmon, P. O. Box 389, Philadelphia. Owners, Woman's Southern Homoeopathic Hospital, 724 Spruce street. Brick, two stories, 16x27 feet, slag roof, electric lighting. Plans in progress.

Stores (alt.), S. E. cor. Thirty-first and Berks street. Architects, B. J. Medoff & Son, 524 Walnut street. Owner, Bernard Wersov, N. E. cor. Seventh and McKean streets. Interior alterations, electric lighting, hot air heating. Owner taking bids.

Crypt of J. P. Jones, Annapolis, Md. Architect, Bureau of Yards and Docks, Washington, D. C. Stone, one story, electric lighting. Owners taking bids, due February 24th. H. L. Brown, 1714 Sansom street, are figuring.

Residence, Pocomoke City, Md. Architect, George L. Savage, Witherspoon Building. Owner, Mrs. L. Paul Ewell, Poconoke City, Md. Brick and frame, two and one-half stories, 30x50 feet, shingle roof, electric lighting, hardwood floors. Plans in progress.

Church, Burlington, N. J. Architect, Geo. L. Savage, Witherspoon Building. Owners, First Baptist Church, Burlington, N. J. Stone, one story and basement, slate roof. Plans in progress. To early for details.

Residences (2), Ardmore, Pa. Architect, H. W. Sellers, Stephen Girard Building. Owner's name withheld. Stone and brick, two and one-half stories, 65x58 and 54x34 feet, electric lighting, steam heating, shingle roof. Architect taking bids, due February 15th. The following are figuring: Appleton & Burrell, 1204 Chancellor street; J. Myers & Sons, Witherspoon Building; Stokes Bros., 6723 Musgrove avenue; A. L. Fretz & Son, 1222 Chancellor street; F. L. Hoover & Sons, Builders' Exchange; Metzger & Wells, Heed Building.

Sunday School (alt. and add.), Frankford, Philadelphia. Architects, Lachman & Murphy, Witherspoon Building. Owners, Herman Presbyterian Church, on premises. Brick, two stories, electric lighting, steam heating, slate floor. Architects taking bids, due February 16th. The following are figuring: John Davies, 1208 Chestnut street; Rimer & Byers, 4842 Hawthorne street; Burd P. Evans & Co., Thirteenth and Wallace streets; W. T. Fox, 2248 North Eighteenth street.

Reidences (4), Lincoln Drive. Architects, Druckenmiller, Stackhouse & Williams, Land Title Building. Owner, John McCaltchey, Land Title Building; E. A. Carroll, 610 Lincoln Drive. Stone and brick, stucco, two and one-half stories, 25x48 feet, 30x40 feet, slate and tile roof, hot water heat, electric lighting. Plans in progress. Owner to take sub-bids.

Garage, 1311-15 North Watts street. Architects, Sauer & Hahn, 1118 Chestnut street. Owner, Hon. Clarence Wolf, on premises. Brick and concrete, two stories, 51x60 feet, slag roof, electric lighting, steam heating. Architects have received bids.

Club House (alt. and add.), Indian Queen Lane, Falls of the Schuylkill, Philadelphia. Architect, private plans. Owners, Young Men's Association, President, T. H. Wilcox, Jr., 3426 Queen Lane, Germantown. Brick, one story and basement, 41x42 feet, electric lighting, hot water heating, slag roof. Plans in progress. Owners will be ready for bids in two weeks.

Factory, Easton, Pa. Architects and builders, William Steele & Sons Co., 1600 Arch street. Owners, John Crossley & Son, Easton, Pa. Brick and concrete, two stories, 27x62 feet, slag roof, steam heating, electric lighting. William Steele & Sons Co., 1600 Arch street, have received bids.

Armory (alt. and add.), Broad and Callowhill streets, \$60,000. Architects, private plans. Owners, U. S. Government, First Regiment, on premises. Reinforced concrete, hardwood floors interior alterations to basement, 135x150 feet, swimming pool, bowling alleys, steel lockers (1,600), electric lighting, steam heating, electric elevator. E. E. Hollenbach, Fifteenth and Race streets, will take sub-bids. Plans in progress.

Hospital (alt. and add.), Fort Monroe, Va. Architect, private plans. Owners, U. S. Government, Washington, D. C. Brick, three stories, 57x46 feet, hot water heating, electric lighting, slate and tin roof. Owners taking bids, due February 19th.

Hall Building, 2115-21 South street. Architects, Knopp & Bosworth, Wilkes Barre, Pa. Owner, John Wanamaker, care of Mr. Had-dock, Thirteenth and Walnut streets. Stone and brick, three stories, 45x60 feet, slag roof, electric lighting, steam heating, hardwood floors. Owner taking bids, due February 15th.





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Broad and Spring Garden Sts., Philadelphia

The following are figuring: William Steele & Sons Co., 1600 Arch street; J. G. Doak & Co. Crozer Building; F. L. Hoover & Sons, Builders' Exchange.

**Alumni Building**, Broad and Columbia avenue. Architect, private plans. Owners, Kene-seth Israel Congregation, care of Dr. Joseph Krauskoph, on premises. Limestone and brick one story, 65x125 feet, electric lighting, slag roof. Owners taking bids, due February 15th. Lam Building Co., 1001 Wood street, are figuring.

**Theatre**, Forty-first and Lancaster avenue. Architect, John D. Allen, Denckla Building. Owner, Mrs. J. Effinger, 4130 Parkside avenue. Brick, two stories, 56x172 feet. Slag roof, electric lighting, steam heating. Plans completed. Architect will be ready for bids February 15th.

**Factory**, Amber and Dreer streets. Architects, Stuckert & Sloan, Crozer Building. Owners, Weimer Bros., 2046 Amber street. Brick, concrete, two stories and basement, 50x100 feet. Slag roof, electric lighting. Architects taking bids, due February 16th. The following are figuring: P. Haibach, Twenty-sixth and Thompson streets; E. E. Hollenbach, Fifteenth and Race streets; William R. Brown, 2145 East Firth street; A. R. Raff, 1635 Thompson street; George L. Sipps, 911 Locust street.

**Residence and Stable**, Jenkintown, Pa. Architect, private plans. Owners, H. & A. Shaffer, Jenkintown. Brick, two and one-half stories, 26x61 feet. Slag roof, electric lighting, steam heating. Owner taking bids, due February 16th. Henry Specht, Jr., Willow Grove, Pa., is figuring.

**Residence**, Glenside, Pa. Architect, private plans. Owner, W. F. Lister, 2507 North Thirty-third street. Stone and frame, two and

one-half stories, 39x40 feet. Electric lighting, steam heating, slate roof. Owner taking bids, due February 16th. Henry Specht, Jr., Willow Grove, is figuring.

**Residence and Garage**, Merion, Pa., \$75,000. Architects, Druckenmiller, Stackhouse & Williams, Land Titl Building. Owner, Dr. Albert C. Barnes, 24 North Fortieth street. Stone and brick, half timber, two and one-half stories, 72x35 feet; wing, 27x24 feet. Hot water heating, electric lightin, hardwood floors, slate or tile roof. Plans in progress.

**Apartment House**, Fifty-second and Springfield avenue, \$65,000. Architect, E. Allen Wilson, 1208 Chestnut street. Owner, John J. Conner, Fifty-second and Regent streets. Brick, Colonial gray concrete, 24 suites, 7 and 8 rooms, 17.6x66 feet. Vacuum vapor system, electric lighting, hardwood floors. Plans completed. Owner taking sub-bids.

**Hall Building**, 2115-21 South street. Architects, Knapp & Bosworth, Wilkes-Barre, Pa. Owner, John Wanamaker (Mr. Haddock), Thirteenth and Market streets. Stone and brick, three stories, 45x60 feet. Slag roof, electric lighting, steam heating, hardwood floors. Owner taking bids, due February 15th. Complete list of bidders is as follows: Wm. Steele & Sons Co., 1600 Arch street; J. C. Doak & Co., Crozer Building; F. L. Hoover & Sons, Builders' Exchange; M. P. Wells, Witherspoon Building; George F. Payne & Co., 401 South Juniper street; J. Johnson, 1721 Ludlow street; A. Whitehead, 1624 Latimer street.

**Station (alt. and add.)**, Twenty-fourth and Chestnut streets. Architect, M. A. Long, Baltimore, Md. Owners, Baltimore and Ohio Railway Company, Twenty-fourth and Chestnut streets. Steel and frame, one story, slate roof, electric lighting. Owners taking bids,

due February 20. M. P. Wells, Witherspoon Building, is figuring.

**Apartment House**, Forty-fourth and Market streets. Architect, private plans. Owner and builder, P. J. Hurley, 1233 Cherry street. Brick, two stories, 32x70 feet. Electric lighting, steam heating, slag roof. Owner taking sub-bids, due February 20th.

**Church (add.)**, Mt. Airy, Philadelphia. Architect, J. Naschold, 723 Walnut street. Owner, Mt. Airy M. E. Church, Mt. Airy, Pa. Stone, one story, 61x69 feet. Electric lighting, steam heating, slag roof. Owners are taking bids. Wm. Steele & Sons Co., 1600 Arch street, are figuring.

**Church**, Camden, N. J., \$120,000. Architect, George I. Lovatt, 418 Walnut street. Owner, St. Joseph's R. C. Church, Camden, N. J. Stone, one story, 84x170 feet. Slate roof, steam heating, electric lighting. Plans in progress. Architect will take bids in six or eight weeks.

### ATLANTIC CITY, N. J.

#### CONSTRUCTION NEWS.

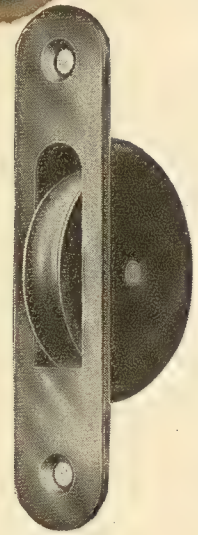
**Store and Apartments**, Connecticut avenue and Boardwalk, \$20,000. Architects, Stout & Reibenack, Bartlett Building, Atlantic City. Owner, Joseph Fralinger, on premises. Brick and steel, two stories, 73x100 feet. Electric lighting, hot water heating, slag roof.

**Residence and Garage**, Atlantic City, N. J., \$10,000. Architects, V. B. Smith & W. S. Shull, Bartlett Building. Owner, L. L. Jones, Atlantic City, N. J. Brick, two and one-half stories, 34x44 feet. Hot water heating, electric lighting, slate roof, hardwood floors. Plans about completed. Architects will be ready for bids at once.



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## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man  
and Interior and Exterior Fitter.

**Club House**, N. W. cor. Broad and Walnut streets, \$750,000. Architects, Simon & Bassett, 1112 Chestnut street. Owners, The Manufacturers Club, on premises. Stone, brick and steel, fireproof, ten stories, 100x100, electric lighting, steam heating. Contract awarded to Irwin & Leighton, 126 North Twelfth street.

**Convention Hall**, Broad and Allegheny avenue. Architect, C. P. Berger, 1414 South Penn Square. Owners, City of Philadelphia. Frame and plaster, one story, 265x409 feet, slag roof, electric lighting, steam heating. Bids were opened as follows: M. P. Wells, Witherspoon Building, \$106,000; E. F. Fonder, Land Title Building, \$111,500; Ed. Fay & Son, 1521 Ranstead street, \$112,890; David Peoples, Fidelity Building, \$122,750; Harry H. Wehmeyer, 1004 West Lehigh avenue, \$128,550; Armstrong & Latta, Land Title Building, \$129,000; Mitchell Bros., 2125 Race street, \$133,000; Harry Brocklehurst, 512 W. Norris street, \$135,000; D. F. McCarthy, 1927 North Seventh street, \$136,220; George Hogg, 1634 Sansom street, \$139,749; J. E. & A. L. Pennock, Land Title Building, \$142,600; Doak & Co., Crozer Building, \$145,000; A. R. Raff, 1635 Thompson street, \$148,500; P. J. Hurley, 1233 Cherry street, \$150,000; A. Whitehead, 1624 Latimer street, \$157,500; H. P. Schneider, 3713 Old York Road, \$159,127; Thomas Seeds Jr., 1207 Race street, \$170,521; John W. Emery, 1524 Sansom street, 130,600; William Steele & Sons, 1600 Arch street, \$175,000; Burd P. Evans, Thirteenth and Wallace streets \$177,000.

**Residence**, St. Martins, Philadelphia. Architect, George C. Johnson, 1409 South Seventeenth street. Owner, Howard Copper Johnson, Commonwealth Building. Stone, three stories, 75x33 feet, electric lighting, hot water heating, shingle roof, hardwood floors. Contract awarded to H. C. Rea Co., 711 North Fifteenth street.

**Passenger Station**, Valley Forge, Pa. Architect, William Hunter, Reading Terminal. Owners, Philadelphia and Reading Railway

Co., Twelfth and Market streets. Stone, two and one-half stories, 25x63 feet, platform and shelter sheds, slate roof, steam heating, electric lighting. Contract awarded to Enos L. Seeds, 5314 Wissahickon avenue.

**Stable**, 13 and 15 Clymer street. Architects, Baker & Makey, Real Estate Building. Owners, Shanahan Ice Cream Company, 782 Swanson street. Brick, three stories, 29x80 feet, composition roof, electric lighting. Revised plans in progress. Architects will take bids in two weeks.

**Church**, State College, Pa. Architect, Albert Kelsey, Perry Building. Owners, The Presbyterian Church of State College. Brick, and terra cotta, one story. Plans in progress.

**Stores and Flat House**, Germantown avenue and Tulpehocken street. Architect, Frank Seeburger, Pennsylvania Building. Owner, Martin I. Constabel, 6230 Germantown avenue. Brick, three stories, 30x72 feet. Slag roof, electric lighting, steam heating. Contract awarded to Stacey Reeves & Sons, 1611 Filbert street.

**Bath House**, Germantown avenue and Stiles street. Architects, Cope & Stewardson, 320 Walnut street. Owners, Public Bath Association of Philadelphia. Stone and brick, three stories, 37x61 feet. Slag roof, electric lighting. Contract awarded to J. S. Cornell & Son, Land Title Building.

**Bhow House**, Second and Girard avenue. Architect, Otto C. Wolf, Denckla Building. Owners, C. Schmidt & Son Brew Company, on premises. Brick, steel and concrete, four stories, 65x100 feet. Slag roof, electric lighting. Contract awarded to A. R. Raff, 1635 Thompson street.

**Store (alts.)**, 932-34 Market street, \$2,000. Architects, Hewitt, Granger & Paist, Bullitt Building. Owner, Simon L. Bloch, 2131 North Broad street. Lessees, Otto Eisenlohr & Bro., 932 Market street. Consists of new front and interior alterations. Contract awarded to Smith-Hardican Company, 1606 Cherry street.

## Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

J. M. Holmes (O), 2903 North Judson street. Cost, \$36,000. Twenty-four dwellings, brick, two stories, 16x45 feet, Cambria and Judson. Cost, \$2,200. Store and dwelling, brick, two stories, 16x45 feet, Cambria and Judson sts.

A. F. Hartman (O), Toronto and Fox street. J. A. Conly (C), 1435 North Fifty-ninth st. Cost, \$800. Brick stable, one story, 16x58 feet, Toronto and Fox streets.

I. R. Tenally (O), 24 East Walnut ane. John Dear (C), 4544 Greene streets. Cost, \$15,000. Residence, stone, three stories, 29x44 feet, Germantown, Philadelphia.

J. B. Stetson Company (O), 24 East Walnut Lane. John Dear (C), 4544 Greene street. Cost, \$15,000. Residence, stone, three stories, 29x44 feet, Germantown, Philadelphia.

J. B. Stetson Company (O), Fifth and Montgomery avenue. Cost, \$170,000. Factory, eight stories, brick, 54x197 feet, Fifth and Montgomery avenue.

Allegheny Imp. Company (O), 2735 West Somerset street. Allegheny Imp. Company (C), 2735 West Somerset street. Cost, \$4,000. One three-story brick dwelling, 20x42 feet, Twenty-sixth and Cambria streets.

J. H. Baltz (O), Ardmore, Pa. T. F. Brown. Cost, \$10,000. Five two-story brick dwellings, 15x47 feet, Sedgwick and McCallum streets.

C. Schmidt & Sons (O), Edward and Hancock streets. A. R. Raff (C), 1635 Thompson street. Cost, \$85,000. Brewery, brick, five stories, 64x63 feet, Edward and Hancock streets.

Sisters of St. Joseph's (O), Chestnut Hill, Philadelphia. J. McShain (C), 631 North Seventeenth street. Cost, \$93,000. Convent, stone, four stories, 12x150 feet, Chestnut Hill, Pa.

Hess Bright Mfg. Co. (O), 210 Fairmount avenue. Day & Zimmerman (C), 608 Chestnut street. Cost, \$100,000. Factory, two stories, 203x38 feet, brick, Front and Erie avenue.



Ehret Mfg. Co. (O), Sixth and Moore streets. Appleton & Burrell (C), 1204 Chancellor street. Cost, \$15,000. Factory, two stories, brick, 39x29 feet, Sixth and Moore streets.

E. Adler (O), Eighty-second street and F avenue. Cost, 4,400. Two dwellings, brick,

two stories, 16x24 feet, Eighty-seventh and Buist avenue.

J. K. Robinson (O), 22 South Front street. Jas. Kane (C), 12 North Dewey street. Cost, \$2,800. Store, one story, brick, 56x55 feet, Twenty-second and Erie avenue.

## Alterations and Additions

Hugh Clark (O), Eighth and Vine streets. W. B. Parshall (C), 1510 Cuthbert street. Cost, \$400. Saloon, Eighth and Vine streets.

R. J. Ederer Thread Co. (O), Unity and Elizabeth streets. Geo. Gray (C), 4665 Paul street. Cost, \$3,500. Manufacturing Building.

J. Doyle (O), Fourth and Lehigh avenue. W. J. Jones (C), 2947 North Fifth street. Cost, \$1,500. Store and dwelling, Fourth and Lehigh avenue.

E. K. Ligonto (O), 10 North Sixth street. W. T. Miller (C), 627 Filbert street. Cost, \$900. Store, 609 Market street.

W. R. Shoreh (O), 1503 North Sixteenth street. M. R. Dillon (C), 4801 Walnut street. Cost, \$800. Salesrooms, Eighteenth and Market streets.

Gibson Auto Works (O), 3831 Fairmount avenue. H. Gibson (C), 3811 Fairmount avenue. Cost, \$500. Auto shops, 3933-37 Haverford avenue.

Henry Mitchell (O), 1933 North Broad street. Walter Burks & Mellor (C), 1835 Ludlow street. Cost, \$800. Dwelling, 1933 North Broad street.

Philadelphia Steel and Forge Company (O), Tacony, Philadelphia. J. A. Hand (C), 8029 Frankford avenue. Cost, \$4,500. Forge, Tacony, Philadelphia.

Electric Storage Battery Company (O), Nineteenth and Allegheny avenue. J. G. Brown (C), Witherspoon Building. Cost, \$6,000. Factory, Nineteenth and Allegheny avenue.

Hafleigh & Co. (O), American north of Somerset street. Philadelphia Steel and Wire Company (C), 525 Commerce street. Cost, \$1,500. Factory.

Thomas McCahan (O), Overbrook avenue. M. W. Young (C), Overbrook, Philadelphia. Cost, \$3,000. Carage, 6363 Overbrook avenue.

City of Philadelphia (O), City Hall. Ed. Fay & Son (C), 1521 Ranstead street. Cost, \$6,000. Congress Hall, Fifth and Chestnut streets.

Berg Brothers (O), Tenth and Market streets. A. R. Raff (C), 1635 Thompson street. Cost, \$1,500. Store.

G. M. Bowen Company (O), 5146 Market street. Rudolph Werner (C), 5146 Market street. Cost, \$1,500. Office building, Fifty-second and Ludlow streets.

Becker, Smith & Page (O), Water and Snyder avenue. Simplex Foundation Company (C), Tacony, Pa. Cost, \$2,000. Factory.

T. T. Rockett (O), 629 North Nineteenth street. Cost, \$1,500. Garage, 3611 Lancaster avenue.

A. Hall (O), 1723 Arch street. H. M. Irwin (C), 1613 Ranstead street. Cost, \$1,000. Office building, 1723 Arch street.

H. C. Willes (O), 1001 Chestnut street. Alex. Chambley (C), 243 South Tenth street. Cost, \$500. Hotel, Franklin and Vine streets.

Mrs. M. R. Keffer (O), 1418 South Fifty-second street. J. V. Tunnell (C), Sixty-third and Kingessing avenue. Cost, \$2,000. 1416 South Fifty-second street.

Allegheny Amusement Company (O), 3139 Frankford avenue. Cost, \$5,000. 3139-49 Frankford avenue.

Philadelphia Lying In Hospital (O), Eleventh and Cherry streets. Chris. Hoffman (C), 346 South Fourth street. Cost, \$325. Hospital, Eleventh and Cherry streets.

Kahn & Greenberg (O), 137 South Thirteenth street. H. R. Rust (C), 724-26 Ludlow street. Cost, \$1,500. Office building, 1223 Arch street.

G. Saelle (O), 6301 G street. Cost, \$300. Stable, 6301 G street.

P. F. Herman (O), 712 Commonwealth Building. Mitchell Brothers (C), 2125 Race street. Cost, \$2,800. Dwelling, 2050 Sansom street.

William Fahy (O), 14 South Broad street. R. M. Cornum (C), 1414 North Thirteenth street. Cost, \$735. Store and dwelling, Fifteenth and Montgomery avenue.

Thomas Davenport (O), 2861 Kensington avenue. James Robinson (C), 811 East Schlar street. Cost, \$400. Stable, Cambria and Ruth streets.

A. Yuseum (O), 857 North Fifth street. B. Arrow (C), 867 North Sixth street. Cost, \$480. Dwelling and store, 857 North Fifth street.

Jacob Hess (O), Sixteenth and Morris streets. Jacob Brigger (C), 2124 East Cumberland street.

Dr. H. McGookin (O), 1630 North Ninth street. Thomas W. Dagney (C), 1630 North Ninth street. Cost, \$500. Dwelling, 7204 North Broad street.

Philip Kinsberg (O), 1030 South Third street. Isaac Yellenberg (C), 427 Greenhouse street. Cost, \$550. Store and dwelling, 1030 South Third street.

J. Friedman (O), 944 South Fifth street. Cost, \$500. Moving Picture Parlor, Eightieth and Botanic streets.

A. Shafer (O), Fourth and Christian streets. I. Farbstein (C), 504 Dickinson street. Cost, \$675. Store and dwelling.

E. J. Loeble (O), 5946 Germantown avenue. W. C. Wright, 22 Harvey street. Cost, \$2,700. Store and Dwelling, 5946 Germantown avenue.

Dr. George Woodward (O), 709 North American Building. F. B. Davis (C), 35 South Seventeenth street. Cost, \$1,800. Garage, Mermaid lane.

William Ellenshaw (O), 14 South Broad street. A. T. Elder (C), 14 South Broad street. Cost \$2,000. Apartments, 1608 Master street.

A. E. Ford (O), 27 North Seventh street. Thomas Little & Sons (C), 1615 Sansom street. Cost, \$800. Building, 27 North Seventh street.

### Self-Evident.

When you want to find the address of the man who "doesn't believe in advertising," don't look up a directory. Just ask the sheriff.

The man that doesn't advertise nowadays is a barnacle. And he ends up like a barnacle by being scraped off.

## THE PASSING OF AN OLD LAND-MARK.

The architects and artists enjoying the enviable luck of having studios in the Madison Square Tower have received notice to vacate their unique quarters, as the demolition of the old "Garden" commences in February. Newspapers have faintly bewailed its passing and architectural magazines have vehemently done so; but, say the ruthless owners, business is business and the present building does not pay. Yes, business is business and an architectural monument is a work of art, of a sort none too numerous in New York. Excepting the tower, the rest of the vast exhibition building at Twenty-sixth street and Madison square might give place to a money-making structure; but the tower is a gem. It was the pet of its creator, Stanford White; it brings to every beholder either a grateful memory of, or an interesting curiosity concerning, its famous prototype, the old Moorish prayer tower of Seville—and to have either memory or curiosity touched in our hurried everyday life is a definite sort of enjoyment in addition to that which the beauty of the tower itself imparts. Could not this small fraction have been saved intact and moved over into the Square?—one asks regretfully. But saving monuments in New York is no easy matter. Some years ago when the destruction of the beautiful old St. John's Chapel in Varick street was announced, architects and historical societies were aroused to such a pitch of indignation that a petition signed by many prominent New Yorkers was presented to the owners, and the life of the old Colonial church was spared. Everyone interested was accordingly happy, until, the other day, it was discovered that its crafty owners, Trinity Corporation, had succeeded in getting it condemned for right of way—at a high figure from the city. If sentiment backed up by powerful names could not save this century-old church from money-greed, how much less could it hope to save our youthful Madison Square Tower. We must resign ourselves to its going and pray for the day when the city will constitute itself guardian of such buildings as are worthy to be preserved, and protect them against the machinations of real estate promoters.—"House Beautiful."

### AN EPITAPH.

Here lies the remains of Jonathan Wise,  
Who all his days schemed to devise  
A way to reap fortune's golden prize,  
And failed, 'cause he wouldn't advertise.

When the game is advertising, specializing pays. You couldn't advertise hats in a brick magazine any more than you would advertise corsets in a tobacco trade journal. Selecting your medium depends on the class you aim to reach. If the class is architects or builders, your medium is "The Guide."



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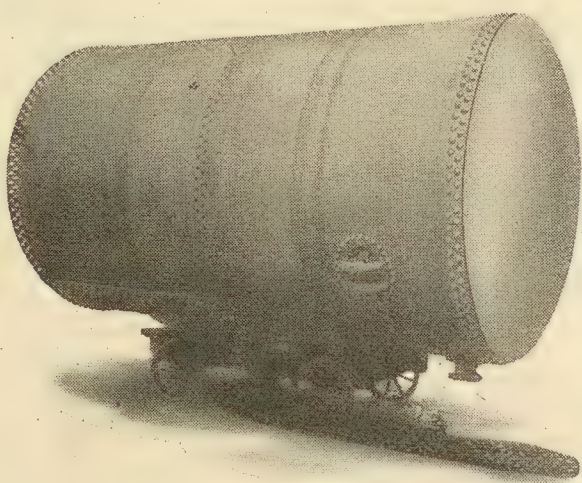
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## REAL ESTATE TRANSFERS.

Summary for week ending February 10th,  
1912:

Number of transfers.....	505
Amount of transfers.....	\$2,105,931.88
Cash consideration .....	309,901.88
Mortgage consideration .....	1,796,030.00
Ground rent consideration.....	5,944.84
Which on a six per cent. basis amounts to .....	88,080.68

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## THE PERRY MEMORIAL

Design Submitted By J. H. Freedlander and A. D. Seymour, Jr. Selected By National Fine Arts Commission

As a result of the competition for the selection of an architect for the Commodore Perry Memorial, the design of J. H. Freedlander and A. D. Seymour, Jr., associate architects, of New York City, has just been selected by the National Fine Arts Commission and accepted by the Interstate Board of the Perry's Victory Centennial Commission.

Eighty-one architects representing all the principle cities in the country were invited to compete. The competition was judged by the National Commission of the Fine Arts, consisting of Messrs. Daniel H. Burnham, chairman; Daniel C. French, Thomas Hastings, Frederick Law Olmstead, Charles Moore, Cass Gilbert and Francis D. Millet.

The memorial is to be built on an isthmus, on South Bass Island, lying at the western end of Lake Erie. An appropriation of \$700,000 has been made by the United States government and various States of the Union.

It is intended that the memorial shall be completed in the summer of 1913, at which time the celebration will take place. The accepted design consists of a large plaza some one thousand by two hundred feet, on which is placed a shaft in the form of a Doric column, 320 feet high. This shaft is to serve as a lighthouse and on the top of it is placed a light of the first order for the purpose of illuminating the adjacent waters.

The museum and the colonnade are placed on a terrace at a slightly higher level than the main terrace so that the vista may be enhanced and the buildings set off to greater advantage. The museum is placed on the left, while on the right is suggested a statue flanked by a colonnade to typify the first arbitration treaty between two great civilized countries, shortly to be signed by the United States and England.

The program suggested that an additional feature besides the museum and shaft might be incorporated later. It seems most fitting that the arbitration treaty, an epoch-making

event in the history of two great nations, should find an embodiment in this memorial erected to commemorate the centenary anniversary of the war of 1812 and the victory of Commodore Perry at the battle of Lake Erie.

The next three winners in the contest were James Gamble Rogers, 11 East Twenty-fourth street, New York City, first prize, \$1,250; Paul P. Cret, Philadelphia, Pa., second prize, \$1,000; Dillon, McLellan & Beadle, 1123 Broadway, New York City, third prize, \$750. The following competed:

Bosworth & Holden, W. W. Bosworth, Walter B. Chambers, S. Campbell, Edward Pearce Casey, Babb, Cook & Welch and Lawrence Peck, Associated, Delano & Aldrich, D'Oench & Yost, William Emerson, Ewing & Chappell, Ernest Flagg, Griffin & Wynkoop, Howes & Morse, Howells & Stokes, Haight & Githens, Hunt & Hunt, Charles P. Huntington, Edgar A. Josselyn, Beverly S. King, Lord, Hewlett & Tallant, La Farge & Morris, C. Morris, H. Van Buren Magonigle, Mills & Greenleaf, Nelson & Wagonen, Frank E. Newman, J. Russell Pope, Charles A. Platt, Albert R. Ross, Renwick, Aspinwall & Tucker, Edward L. Tilton, Tracy, Swartwout & Litchfield, Walker & Chichester, and York & Sawyer, all of New York City.

Abbott & Shattuck, Allen & Collens, C. H. Blackall, Bigelow & Wadsworth, Cram, Goodhue & Ferguson, Lowell & Duquesne, Newhall & Blevins, Peabody & Stears, Schweinfurth & Ripley, Wheelwright, Haven & Hoyt, all of Boston, Mass.; Bissell & Sinkler, Wilson Eyre, Hewett, Granger & Paist, Rankin, Kellogg & Crane, and Zantzinger Borie & Medary, all of Philadelphia, Pa.; Claude Bragdon, Rochester, N. Y.; Bliss & Faville, William C. Hays and Louis Christian Mullgardt, all of San Francisco, Cal.; J. Milton Dyer, John Eisemann, Abram Garfield, George F. Hammond, and Lehman & Schmitt, all of Cleveland, Ohio; Ellicott & Emmart, and Wyatt & Nolting, of Baltimore, Md.; Eames & Young and Theodore



Link & Son, of St. Louis, Mo.; Hood & Fer-  
rand, Pittsburgh, Pa.; Armand D. Koch, Mil-  
waukee, Wis.; Frederick M. Mann, Urbana,  
Ill.; E. L. Masqueray, St. Paul, Minn.; Mar-  
tin, Olin & Manxion, Ithaca, N. Y.; Neff &  
Thompson, Norfolk, Va.; Charles F. Owsley,  
Youngstown, Ohio; Frank L. Packard, Colum-  
bus, Ohio; Tietig & Lee, Cincinnati; Nathan  
C. Wyeth, Washington, D. C., and William  
Leslie Welton, Birmingham, Ala.

### REPORT OF MR. FRANK MILES DAY, PROFESSIONAL ADVISER TO THE BUILDING COMMIT- TEE PERRY MEMORIAL COMPETITION.

To the Competitors for the Perry Memorial.  
Gentlemen:—I beg to report that on Satur-  
day, January 20, 1912, fifty-four sets of com-  
petitive drawings were received and hung at  
the New National Museum, Washington,  
D. C.

The Commission of Fine Arts having ex-  
amined the drawings on January 24, 25 and  
26 rendered its report as follows:

January 26, 1912.

The Building Committee of the Interstate  
Board of the Perry's Centennial Commis-  
sioners.

Gentlemen:—Under the terms of the pro-  
gram of competition for the Perry Memorial  
we beg to advise you as follows:

We select design number five as presenting  
the most satisfactory solution of the problem  
and we recommend that its author be ap-  
pointed as architect.

In making this selection we heartily com-  
mend the design for its great beauty and for  
its significant appropriateness as the memorial  
of both a victory in battle and a century of  
peace and friendship between two nations.  
The design indicates that its author is thor-  
oughly trained and has the skill and capacity  
to execute successfully the work to be en-  
trusted to him.

For the first premium we name design num-  
ber seventeen, which more nearly approaches  
the excellence of design number five than any  
other in the competition. For the second and  
third premiums we name respectively designs  
number thirty-four and number fifty-four.

We hereby certify that designs number five,  
number seventeen, number thirty-four and  
number fifty-four comply with the mandatory  
requirements of the program.

We have not found it necessary to ascertain  
whether each of the remaining designs com-  
plies with all these requirements, but we cer-  
tify that two designs, namely, number one and  
number twenty-one, have violated mandatory  
requirements. Even if designs number one  
and number twenty-one had not violated these  
requirements it would have made no difference  
in our advice to you, because neither of them  
approaches the standard of those considered  
for award.

The number of designs submitted and the  
serious study and effort proven by the variety  
of these designs and the quality of the tech-

nical execution of the drawings indicate a  
widespread interest in the competition among  
the most capable architects of the country.

By direction of the Commission of Fine  
Arts.

Respectfully,  
SPENCER COSBY,  
Colonel, U. S. Army,  
Secretary.

The Building Committee inspected the draw-  
ings January 26 and 27 and on January 29  
submitted to the Executive Committee a re-  
port recommending the acceptance of the ad-  
vice of the Commission of Fine Arts.

The Executive Committee presented these  
report to the Interstate Board at a meeting  
held January 29 and that Board made its  
award of the prize to the author of design  
number five, and appointed him architect of  
the Memorial. It also awarded the first pre-  
mium to design number seventeen; the second  
to number thirty-four, and the third to num-  
ber fifty-four.

Colonel Spencer Cosby having presented the  
sealed envelopes containing the names of com-  
petitors, they were then opened, upon which  
it appeared that design number five was by  
J. H. Freedlander and . D. Seymour, associ-  
ated.

It also appeared that the design numbered  
seventeen was by James Gamble Rogers; the  
design numbered thirty-four was by Paul F.  
Cret; the design numbered fifty-four was by  
Dillon, McLelland and Beadle.

Before adjournment the Interstate Board  
adopted the following vote of thanks to the  
competitors:

"Resolved, That the Interstate Board of the  
Perry's Victory Centennial Commissioners,  
realizing the deep interest shown by the ar-  
chitects who have participated in the com-  
petition for the Perry Memorial, and the value  
of the services performed by them, extends  
its hearty thanks to them for having enabled  
it to make choice of an architect through the  
medium of so many varied and admirable  
solutions of the problem.

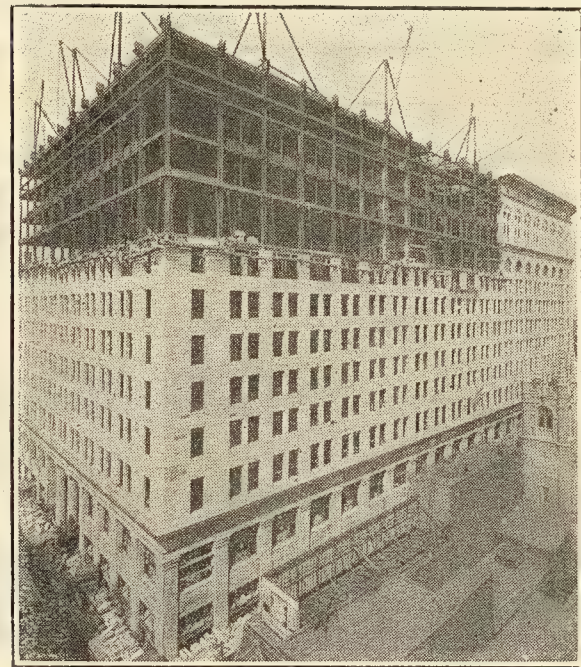
The drawings will remain on exhibition in  
Gallery No. 28 at the New National Museum,  
Tenth and B streets, Washington, D. C., from  
9 A. M. to 4.30 P. M. from January 31 to  
February 10, inclusive.

Respectfully submitted,  
F. M. DAY,  
Professional Adviser to the Building Com-  
mittee.

\*\*A report of the formation of an inter-  
national trust to control the white lead out-  
put of the world is not credited among white  
lead manufacturers in Philadelphia. London  
financial circles received news of the forma-  
tion of a combine of American, European and  
British manufacturers. The capital of the  
enterprise was reported to be \$15,000,000.  
At the offices of the John T. Lewis & Brothers  
Company, local agents of the National Lead  
Company, one of the largest white lead man-  
ufacturing concerns in this country, Edward  
F. Beale, the president, said that the report  
probably was without foundation. "The

world output of white lead could hardly be  
controlled by a concern capitalized at \$15,000,-  
000," he said. "The National Lead Company  
alone has a capital of more than \$50,000,000."  
At Harrison Brothers & Co., manufacturers,  
Thirty-fifth street and Gray's Ferry avenue,  
it was said nothing had been heard of any  
new combination of manufacturers.

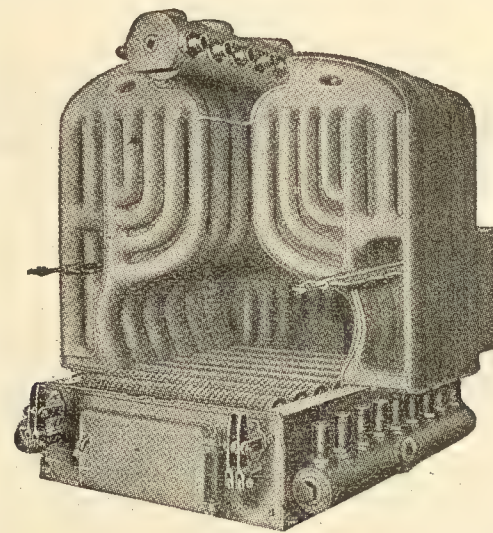
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pays five dollars a year for it because it is  
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rials used in the building trades.



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MODERATE RATES

## AMERICAN INSTITUTE TO IN- QUIRE INTO THE PORTLAND AUDITORIUM COMPETITION.

Architect B. J. S. Cahill's criticism of the Portland Auditorium competition in the December "Architect and Engineer" has met with the most cordial approbation by a large number of leading architects in the east as well as in the west. Mr. Cahill's criticism may be accepted as mild when compared with the sentiments expressed by some of his brother critics, in personal letters addressed to this magazine. These letters will be printed in the February number of the "Architect and Engineer." It will undoubtedly interest the profession to know that the Portland matter is to be taken up by the Competitions Committee of the American Institute, a letter imparting this information having come to us from President Walter Cook.

You can reach with an inch ad. 5000 readers of "The Guide," every one of whom is interested in your proposition, at a cost of 96 cents a week. To reach the same clientele with circulars would involve, for postage alone, an outlay of \$50. Just \$49.04 difference. See the point?

## GRUEBY TILES

## JOHN HOPKIN'S ADVISORY BOARD

Frank Miles Day, Grosvenor Atterbury and Frederick Law Olmstead to advise on Future Construction at the Baltimore University

## MOHAWK ROOF SLATE

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On January 8 the Engineers' and Architects' Club, of Louisville, Ky., was twenty-five years old and fittingly celebrated the event. New officers elected were: Theodore A. Leisen, president; Samuel A. Riddle, vice president; Pierce Butler, secretary; Val. P. Collins, G. Wilbur Rublay, Webster Guzlay, Frank H. Miller, J. C. Murphy and Donald McDonald, directors.

If you fail to place "The Guide," Mr. Ad-Man, on your fall and spring list you are making a mistake you will live to regret. Few papers in the architectural field surpass "The Guide" in the matter of getting results for its advertisers.

Johns Hopkins University is about to begin the construction of an extensive group of buildings intended to house all its activities except the hospital and medical school. These buildings will be erected upon a rolling and admirable site of 150 acres fronting on Charles street, Baltimore, two miles north of the monument. The grounds include the seat of the Carroll family and the mansion known as Homewood, a beautiful example of Colonial architecture which will remain in the midst of the university buildings and will be the keynote of their style.

Since the original plans were made Charles street has been widened and its grade changed, new needs of the university have developed through the intensive study of the problem by the faculty during the last four years, and the growth in athletic interests, due to the success of the Hopkins Field, has developed a demand for ampler recreation grounds.

The Trustees have for some years been assisted by architects in their study of the problem, but these architects had been assigned to the duty of designing the several buildings.

It was, therefore, felt that a re-study of the whole problem should be made. To that end an Advisory Board, consisting of Mr. Grosvenor Atterbury, of New York; Mr. Frank Miles Day, of Philadelphia, and Mr. Frederick Law Olmsted, of Boston, has been appointed.

Mr. Day is a Fellow of the American In-

stitute of Architects, having served as the President. He is a Trustee of the American Academy in Rome, an Associate of the National Academy of Design, a member of the National Institute of Arts and Letters, and an Honorary Corresponding Member of the Royal Institute of British Architects.

He was for many years a lecturer on architecture at the University of Pennsylvania, and is now lecturer on architecture at Harvard University. He has designed many public buildings in Philadelphia, including that of the Art Club and the gymnasium of the University of Pennsylvania, and has recently completed an important group of dormitories at Princeton.

Mr. Atterbury is a Fellow of the American Institute of Architects, the architect for Forest Hills, the model town developed by the Sage Foundation in Long Island, the Phipps Institute in Philadelphia, and many of the buildings constructed for Mr. Frick in Pittsburgh. He has designed or remodeled several of the buildings at Yale and the Teachers' College at Columbia, and is now in charge of the restoration of the City Hall at New York. Mr. Atterbury is the architect of the new Phipps Psychiatric Clinic at the Johns Hopkins Hospital and is consulting architect for the development of Guilford, near Baltimore.

Mr. Olmsted is the well-known landscape architect whose work extends throughout the





Architect  
Laurence Visscher Boyd, Phila.

RESIDENCE, ELKINS PARK, PA.

country. He is professor of landscape design at Harvard University.

The new Advisory Board, the appointment of which is only now made public, has been actively at work on this re-study for some time and already much progress has been made. It is expected that in a few days their report will be received. Every effort is being made to incorporate the results of this re-study to the end that the actual construction may begin at Homewood during the present summer.

The group will contain laboratory buildings for chemistry, physics, biology, geology and engineering, but its main feature will be the great academic and library building. There will be dormitories, refectories, a students' hall and a gymnasium.

Such a group of buildings will, of course, cost several million dollars and be an academic group of the first importance.

New Jersey Chapter of the American Institute of Architects, located at Newark, N. J., adopted a resolution at a recent meeting advocating the creation by the legislature of the office of State Architect.

There is no "waste" circulation to "The Guide." Every reader is engaged directly or indirectly in the building field.

### BRICK POPULAR IN GERMANY.

"For centuries the ordinary clay brick has been the favorite building material of Northern Germany," says Robert P. Skinner, American Consul General to Germany. "The most distinctive manifestations of old north German architecture takes the form of a heavy framework of timber filled in with well baked brick, the timbers remaining visible. Structures of this kind have stood the test of time on soil often marshy and yielding, and in the country districts this style of building is still followed. It is altogether probable that these old timber frame buildings in Germany are the prototype of the modern steel buildings.

"In the case of small dwellings and apartment houses both ordinary clay and sand-lime bricks are utilized. The manufacture of sand-lime bricks has assumed large proportions in late years, there being more than two hundred and eighty plants in operation. Hamburg firms now making them are satisfied with the business results and sell them at \$4.76 per thousand delivered on the ground. The walls of these brick structures are given a coat of Portland cement, which is afterward painted. The cement is put on from the top of the building downward, the scaffolding be-

ing removed with the completion of the work.

"A prominent engineer of Hamburg reports that concrete blocks, introduced into Germany a few years ago, were unsatisfactory as they proved to be more expensive than brick, to which the German people are partial. It will be readily comprehended that when a building is intended to be covered with cement a much cheaper grade of bricks can be used than would be employed in the ordinary American residence."

Both Philadelphia Chapter, American Institute of Architects, and the Pennsylvania Architects' Association are unreservedly opposed to the Lincoln Highway scheme under promotion at Washington by certain wily automobile interests as a substitute for the dignified and impressive Lincoln Memorial. Such a highway as that proposed might be regarded as commemorative of, say, the late General Jacob Coxey. It is a trifle difficult to perceive how it may intelligently be associated with such a character as Lincoln.

If your proposition is one that should appeal to architects, builders, building owners, decorators, material and supply concerns, "The Builders' Guide" is the right medium for your advertising and cannot fail to bring you profitable returns.



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PHILADELPHIA, PA., FEB. 14, 1912.

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(Organized 1857)

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### THAT "QUANTITY SURVEYOR" SUGGESTION.

An editorial reference in last week's number of "The Guide" to the English idea of a "quantity surveyor" has provoked widespread interest and discussion. The consensus of opinion seems to be that the "quantity surveyor" would be a good thing if somebody financially responsible could be had to guarantee his figures.

In England, as we understand it, the building owner assumes this responsibility,—that is, in the event of an error in the surveyor's quantities the owner is bound to pay for all extras.

The interesting suggestion is advanced by one of our readers that one of the big trust or surety companies take up this "quantity surveying," backing the figures supplied by a bond large enough to protect the bidder.

Another suggestion is that quantities be given out by the architect, the bidders on the job pro-rating the cost of this service—a suggestion that seems to "The Guide" to be the most practical of any. "Guide" readers who have not yet taken part in this quantity surveyor discussion are invited to do so. Let us have your views for, neutral or against. Your name need not appear in the matter unless you so elect. What we are after is a free and full discussion.

### "IS 1912 A GOOD YEAR TO BUILD?"

A contemporary, "Suburban Life," prints in a recent number some interesting opinions on the building outlook for 1912—the most interesting being a communication from Mr. Charles E. White, Jr., a well-known Chicago architect:

"Is 1912 a good year to build? can be answered: Every year is a good year to build, says Mr. White. This statement might be modified, of course, by local conditions.

Five years or more ago, when prices suddenly went up to the point where prospective house owners found cost of material and labor way beyond what they had figured, house-building received a temporary set-back. Many owner decided to wait until prices dropped. "Next spring, or sometime in the fall and winter prices will go down," they were told. So they waited—and waited. Many of them are still waiting.

But prices haven't lowered very much,—that is, the cost of labor and materials. I have seen the same set of plans and specifications for a house, bid upon at three different seasons; first in summer, then in the following winter (when prices are supposed to be low), and again, the next spring. The fluctuation in price was not over two per cent,—only \$200 on a \$10,000 house.

People who expect the bottom to drop out of the building business, resulting in "revision downward" to a scale of ten years ago (when a present-day \$5,000 house could be built for about \$3,500), will be disappointed. I doubt if these conditions will ever prevail again. American producers of house-

building materials have tasted good profits, and they are going to maintain present prices for years to come if they have the power to do so,—and I believe they have. Skilled mechanics have experienced good wages, and they are not going to cause a reduction, in my opinion. So, if material and labor continue at present prices, where is the drop in cost of building to come from?

But the 1912 cost of building is lower, paradox as it may seem; not low enough to enable an owner to get his house at bargain-sale prices, but substantially lower, nevertheless. There are two places in the chain of house-building expenditure where links are slightly weakened, tending toward lower prices. The price for labor is about the same, but mechanics are doing more and better work in a given time. The prices for material do not vary widely from prices in 1911, but contractors are charging less profit.

These are the two changes in condition brought about by general depression in building during 1911. Skilled mechanics, many of them, are out of work. As a result, contractors are able to get their pick of the men. They can weed out the drones, hiring only "live wires"—mechanics who work faster and better; hence, more economically. In addition to this advantage for the owner, many contractors are taking jobs every day at a 5 per cent. profit, when they charged 10 per cent. a year ago. Good jobs are scarce. Competition is keen, and these conditions always bring about lower prices.

Every year is a good time to build, and the year 1912 is especially favorable,—the best period for several years, in my opinion. I doubt if there will ever be more economical conditions. In spite of high prices, building is as economical as it was ten years ago; for buildings are more scientifically planned, now—there is less waste. More attention is paid to comfort and less money is spent for "foolishness." Conservation is compensation for an age of high prices,—and conservation always follows the high cost of living. When a man's pocket-book is touched, he is very apt to trim off all extravagance; and that is very good for any new house."

Mr. White's view that neither materials nor labor are going to cheapen to an appreciable degree finds ample corroboration in a review of the past several years. Plain red oak has advanced \$10 per thousand within a year. Poplar has, within ten years, advanced 66 2-3 per cent. Materials generally show an upward rather than downward tendency. Despite which, it is possible to build to-day a better, more serviceable and more convenient house at a moderate price than at any time within the past ten years. This encouraging condition we owe to the immense strides made in what—is often called "scientific building"—the elimination of waste and the development of skill and system.

It is probably safe to make the assertion that, regarded from this angle, good building has never been cheaper than it is to-day. One pays, to be sure, a trifle more than was the case in former years, but then, on the other hand, one actually gets for one's money much



more than it was possible to get in the period mentioned. So that we shall perhaps be justified in agreeing with Mr. White, not only that 1912 is a good year to build, but that every year is a good year to build, taking into consideration the immense betterment in living conditions.

### SUBURBAN HOUSE BUILDING AND THE TWADDLE MAGAZINES.

To read the twaddle regarding house building that finds its way into the pages of some of the "building" magazines, one would fancy picking a site for a country house and having the house of one's dreams erected thereon, a task beset by difficulties little short of Homeric. Land drainage, damp-proofing, heating, ventilating, sewage disposal, water supply, position are dunned into the ears of the intending house builder until he bolts in affright and goes back to flat dwelling and discontent. The truth of the matter is that picking a site and building a country house are just as easy as picking a smoking mixture and a new pipe if one goes about it the right way, and the right way is to leave all troublesome details to men who are experienced in dealing with these.

Consult your architect, to begin with, about the site. Consult him also regarding which way the house should face. Then leave minor details in his hands. All the wearing considerations conjured by the twaddle magazines will vanish as if by magic. Your land will be drained, your walls water-tight, your heating and ventilation right, your plumbing hygienic, your situation sunny and inspiring and your water supply everything that it should be.

To read the twaddle magazines, one might think a successful country house something possible only to the Pittsburgh man of millions. Forget that, also. "Infinite riches within a little room" and at a comparatively moderate outlay is possible to any one of a dozen good suburban house designers whose names could be mentioned. When you get ready to build, dear reader, engage one of these. Then, cut out the twaddle magazines until you're six months settled. You may return to them after this period should your tastes so incline. You will be immune by this time and fairly out of reach of their nerve-racking potentialities.

### A NATIONAL ASSOCIATION OF BUILDER'S EXCHANGES.

Why not?

Why not a national association of builders' exchanges? If the Builders' Exchange is a good thing locally, why should it fail to prove equally efficacious nationally? The primary object of the association is, we are given to understand, to protect the interests of the builders in matters of legislation and building regulation and to promote incidentally the spirit of friendly co-operation among builders of widely separated communities, as well as to bring into harmonious relations all of the various branches of the industry. Here is

a worthy object—an object, the merit of which should be self-evident. Why not a national association of builders' exchanges. "The Guide" can conceive how such an organization, based upon the right lines, could be of the utmost benefit to the building interests of this country.

Did you know that "The Guide" had an Information Bureau in its offices in the Perry Building? And that this bureau is prepared to answer any reasonable question, without cost to you, covering matters of building trades interest? Fact, just the same. When next you want to know something, just call up.

### COURT UPHOLDS NEW YORK BUILDING LINE LAW.

The New York Court of Appeals has recently rendered a decision affirming the sweeping judgment of the Appellate Division declaring that in Greater New York all permanent encroachments over the building line, including front stoops, show windows, porticos, permanent awnings or other structures, are illegal and alleging that no municipal body has the right to permit them.

The court says that when such obstructions exist in New York City no permit from the Park Department or other municipal body can legally authorize their maintenance.

Adjoining owners may bring a suit in equity to compel their removal or may move for a mandamus to compel the city officials to perform their duty and remove the obstruction. In the latter case the courts hold that it is immaterial that the obstructions have been in existence for a long time, and that the relator and his predecessor in interest have not complained before, for no prescriptive right to occupy the streets can be gained as against the public and no adjoining owner can legalize such obstruction by acquiescence.

Where it appears that the obstructions have existed for a long time the writ of mandamus should direct the proper authorities to remove them or in their discretion compel the owner or lessee to remove them and with all reasonable speed. It is well understood that the Borough President and the Commissioner of Public Works of Queens will promptly prosecute any cases as to existing encroachments upon the complaint of adjacent property owners or others who are injured by such projections over the street lines.

As to new buildings no permits will be given for bay windows, store windows, stoops or steps, in any section of the borough. This is such a radical change from the past policy of the city authorities of granting privileges for projections such as the above named, that the new order of things is felt to be a great hardship by property owners in all parts of the city. It is said that in residence streets especially, traffic was not at all impeded by such projection and conditions are entirely different in Queens from those existing in the crowded avenues of Manhattan.

Under the new order buildings will have

the use of only about 90 or 95 feet depth of lot besides stoops and other projections and on 25 feet corner lots the width must be reduced to 20 feet for building purposes. Builders say that this will mean a loss of millions of dollars to them.

### COMPARATIVE MERITS OF VARIOUS ROOFINGS.

A recent writer on Architecture expresses the following opinion about roof covering:

"In reference to duration, slate or clay tile roofs will outlast all other forms, and if desired, may be removed and used elsewhere, while gravel roofs or some of the best kinds of prepared roofing will be next in durability and will last from ten to twenty years. Any common form of sheet metal roofing will soon be destroyed by rust unless it is frequently painted, and will not generally last longer than from three to five years.

"In comparing the cost of roofings, it appears that some of the various prepared roofing are the cheapest. Other kinds, in order of cost are wood shingles, tar and gravel, corrugated iron, standing seams, sheet steel, metal shingles, slate, tin, corrugated asbestos board and tile.

"Iron and steel are unsuitable for roofing buildings, where destructive fumes or gases accumulate, as the thin metal is quickly destroyed by corrosion, and leaks develop. It is better on such buildings, if sheet metal is preferred, to have it lead coated.

"Metal roofs have the advantage of being lightning proof and, as the roof surface is smooth, they are more easily kept clean by the wind and rain. If it is desired to collect rain water from the roofs, water will be purer when taken from a clean metal roof than if drained from one of tar and gravel. Metal has the disadvantage of transmitting heat and cold, and metal roofed buildings are harder to heat in winter and in summer are uncomfortably warm. The objection to plank roofing from the stand point of fire risk has probably been overestimated, for heavy plank supported on purloins four to eight feet apart, will at the worst, burn very slowly, and will not collapse as soon as light steel framing, which warps and bends quickly under heat. Several disastrous fires have been traced directly to this cause.

"Slate has the disadvantage of cracking quickly under heat, should fire sparks get in between the joints and ignite the boards below. It appears, therefore, that the selection of a roof covering will depend upon the necessity for its being fireproof or not, the desired amount of durability, the first cost, pitch of the roof, and the amount of money the owners are willing to spend, either for the sake of appearance or permanence.

"Red slate or some of the many kinds of clay tile, especially red or green, add greatly to the appearance of roofs, though at extra cost, but this additional cost may easily be warranted on such buildings as pumping stations or power houses, located as they often are, in public places and open for the inspection of visitors."



## Electric Light and Economy.

Electric Light is a proven economy not only in the place of business but also in the residence. The trouble is that the majority of the older houses were not wired when built and the present tenants hesitate to assume the first cost of an improvement, even though they know that the first cost will be saved many times over because of increased economy.

No builder has a right now-a-days to erect a residence which is not electrically wired—the Public demands it now-a-days.



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## Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

\*\*Charles H. Sisson, of the A. Sherman Company, Potsdam, N. Y., arrived about the middle of the month in company with a large party, composed of members of the St. Lawrence Society to hold the annual meeting and banquet of that society in New York City. Mr. Sisson also spent considerable time at the New York sales office of his company, visiting Manager George H. Gray.

\*\*Roscoe Lumber Company, retailers at Long Island City, have recently opened, for the purpose of catering more closely to their trade in that section.

\*\*S. Wood McClave has opened an office at 1 Madison avenue, New York.

\*\*Keith Price, of Price & Price, of London, England, well-known brokers of that city, arrived here recently for a tour of the American manufacturing centers.

\*\*The twenty-seventh annual exhibition of the Architectural League was held as usual in the building of the American Fine Arts Society at 215 West Fifty-seventh street, New York City. The annual dinner was held on January 26 and the reception on January 27. The public exhibition opened on Sunday, January 28, and ends on Saturday, February 17. There were public lectures on January 31, February 7 and 14. The jurors for the medals of honor in architecture, painting and sculpture are as follows:

Architecture New York Chapter, A. I. A., C. Grant LaFarge, William Alciphron Boring, Taber Sears and A. A. Weinman, ex-officio; Michel M. Le Brun, William Mitchell Kendall, Benjamin Wistar Morris, Charles A. Platt, Egerton Swartout.

Painting: Architectural League of New York. William Alciphron Boring, John W. Alexander, Edwin H. Blashfield and A. A. Weinman, ex-officio; Edwin W. Deming and Frank Vincent Du Mond.

Sculpture: Architectural League of New York. William Alciphron Boring, H. A. MacNeil and Taber Sears, ex-officio; Karl Bitter, A. Phimister Proctor and A. A. Weinman.

There are competitions for the Henry O. Avery prize of \$50, and for a special prize of \$300 for the best design submitted by an architect, a sculptor and a mural painter in collaboration. The subject of this competition is for a chimney piece for a town hall, to be placed at the end of an assembly room. A circular of particulars has been issued.

\*\*In the annual report of President Butler, of Columbia University, mention is made of the building for the faculty of Fine Arts which will give enlarged quarters to the department of architecture, and also a new housing for the Avery library which has out-

grown its quarters in the main building. Under these more favorable conditions the Columbia School of Architecture should meet with increasing growth.

\*\*The Municipal Art League of Kansas City, Mo., which was founded a little over a year ago, has for its purpose general civic betterment. It outlines its policies and its purpose with small beginnings of civic betterment, a general cleaning up, better bill boards, better street lighting, cleaned-up vacant lots and alleys, etc., but it has large ideals also; an art museum and school, an art commission and finally a city plan and a civic center for public buildings. All such endeavors deserve to succeed. Their activity is evidenced in the prize competition which they have held this fall for the best ornamental light standard design.

\*\*Edward F. Kellie and John E. Cupp, of Williamsport, Pa., have formed the Egyptian Cement Products Company, with \$100,000 capital stock. The company will manufacture and sell all kinds of roofing, flooring, blackboards and kindred products.

\*\*The Beaver Company, of Buffalo, N. Y., have opened offices at 14 East Fifth street, Oklahoma City, under the name of the Beaver Board Sales Company. The new branch will be the distributing point of the entire Southwest and it is under the management of Alfred Staniland, of Buffalo, one of the livest wires on the sale staff of the company. The Beaver Company manufacture a product which takes the place of lath and plaster. It is made of wood reduced to fibrous forms and pressed into panels of uniform thickness. While the board costs less than lath and plaster the company claim that it keeps out heat and cold and deadens sound, and that in every way it so far goes ahead of the old style that it has revolutionized this branch of the building industry.

\*\*Considerable interest is being shown by brick salesmen in the Pittsburgh district over the proposition to form an organization of brick salesmen throughout the United States, and which will be national in its character. This proposition was advanced at the last meeting of the Building Brick Association meeting at Louisville, and since then has been gaining ground rapidly.

\*\*The Raymond Concrete Pile Company, of New York and Chicago, has been awarded the contract for the concrete piles and foundations of a bean building to be erected for the H. J. Heinz Company, at Pittsburgh.

\*\*The Turner Construction Company has been awarded the general contract by the Standard Oil Company for a two-story warehouse, 215 feet by 90 feet, of reinforced con-



crete construction, to be erected at their Claremont, Jersey City, plant.

\*\*The Concrete Steel Company, of 29 Broadway, New York, announce that they have opened a Chicago office in the Monadnock Block to take care of their increasing business in Western territory.

\*\*The growing popularity of White Portland cement, not only in this country, but abroad, is shown by the recent shipments of "Medusa white" to foreign countries. The Sandusky Portland Cement Company, of Sandusky, O., manufacturers of this product, state that five car loads have been sent to Sydney, Australia, and two car loads to Delagoa Bay, South Africa, lately. They also state that several thousand barrels will be used in the New Woolworth Building, in New York City—the tallest building in the world.

\*\*John Downey, builder, 410 West Thirty-fourth street, has commissioned La Farge & Morris to prepare plans for a twelve-story loft and office structure for the occupancy of Yale & Towne, manufacturers of builders' hardware, to be erected at 9 to 11 East Fortieth street. This will be the third twelve-story structure recently erected in this district to be occupied by a single tenant.

\*\*The Consolidated Clay Products Company, of Huntington, W. Va., has commissioned L. J. Dean, of that place, to prepare plans for a new brick plant, which is to be built in the vicinity of Huntington. This building will be of steel, brick and reinforced concrete, and will occupy a site 400 by 450.

\*\*Announcement has been made by the Eagles Construction Company, of Clarksburg, W. Va., which has a capital stock of \$25,000, that it will "build houses." It is also reported that brick is to be used extensively in the construction of all new houses put up by this company.

\*\*The new plant of the Freeport Clay Products Company, at Freeport, on the Allegheny River, has been completed and the plant will be placed in operation as soon as possible. Local capital in the vicinity of Freeport is interested in the new company.

\*\*The Security Lime & Cement Company will spend \$30,000 building an addition to its property at Berkeley Springs, W. Va. Plans for the new buildings are being drawn by E. W. Lazell, of Wilmington, Del.

\*\*The Standard Lime & Stone Company, of Baltimore, Md., is negotiating for a site opposite Fort Henry in Baltimore for the erection of a new and modern plant.

\*\*The United States Brick Company, which is owned by the Pittsburgh-Buffalo Coal Company, of Pittsburgh, has started the manufacturing of building brick of various shapes and colors. The plants are at Johnetta and White Rock, Pa., while W. H. Wardrop, formerly of the Building Supply Association, is in charge of the sales department, with offices and sample rooms in the Frick Building.

\*\*In the construction of the new \$100,000 Y. M. C. A. at New Castle, Pa., the Expanded Metal Fireproofing Company, of Pittsburgh, has been awarded the fireproofing contract.

\*\*Announcement has just been made that the American Window Sash Company will

erect a new plant at Wellsville, O., the industry being secured by the Board of Trade of that city.

\*\*The Federal Terra Cotta Company, of New York City, is now represented in the Pittsburgh district by E. W. Lauschke, who has offices and sample rooms in the Park Building. He has also been assigned to the Western Pennsylvania, Eastern Ohio and West Virginia territory, commonly known hereabouts as the Tri-State district.

\*\*The licensing of builders is recommended in his annual report by John Thatcher, superintendent of buildings in Brooklyn. A positive danger, he says, exists "in that a large number of buildings are being put up by men who know absolutely nothing about building construction, and whose sole purpose and aim is to make money by the use of the cheapest material and labor in the market. This results in buildings that will always be unprofitable to the purchaser, as the cost for maintenance will be sure to exceed any possible returns on the investment. This condition, in a large measure, could be prevented if a consistent law were enacted, requiring builders to pass an examination as to the fitness, and if fit, to be given a license before being allowed to build. This will have to be done very soon, as present conditions are dangerous and a positive menace to the public. The Bureau of Buildings can only hope, by constant vigilance, to secure present safety of this class of buildings. The quality of workmanship is largely beyond control." Assuming that the law demanding licenses for plumbers works well, much may be said for Mr. Thatcher's recommendations.

\*\*There was an unusual, not to say unique, luncheon party gathered about the hospitable big "Round Table" in the large private dining-room of the Hardware Club in New York at noon on Wednesday, the 3rd inst. The guests of honor of that occasion were Keech Tukagawa, engineer of the Japanese Government, located on the Island of Formosa; H. Nakanura, of the main office in Tokio of the famous Japanese financial and commercial house of Mitsui & Co. as New York manager. The host at the luncheon was a man well known at the Hardware Club and in New York's machinery district, no less a personage than L. A. Kimball, manager of the New York branch of the Simonds Manufacturing Company, saw manufacturers of Fitchburg, Mass., with branch factories in Chicago and elsewhere.

The house of Mitsui, as many readers are aware, is probably the largest financial and commercial concern in Japan, one of the largest in the world, and one having some sixty or more branches at large cities all the way around the globe. Mr. Tukagawa is more especially interested in lumbering in Formosa and elsewhere, particularly mentioning in the course of an informal talk their operations in oak. He is here primarily to study American ways, means and methods, in the course of which his travels are taking him over a large part of the United States.

Some years ago, as was explained, the Japanese Government adopted, after some study,

German machinery and methods of saw-milling and German saws. We trust that we are giving no cause for international complications by stating that Japan has now decided upon and is adopting American saw-mill machinery. American saws, and American methods of saw-milling operations.

\*\*While no definite announcement has yet been made as to the securing of new quarters for the Lumbermen's Club of New York City, it is reported that several attractive plans are being considered by the house committee and that the committee will undoubtedly be ready in the very near future to report to the board of governors their finding and recommendations in the premises.

\*\*Effective February 1, the house of Wistar, Underhill & Co., prominent wholesale lumber merchants of Philadelphia, Pa., changes its style to Wistar, Underhill & Nixon.

There will be no change involved in the business other than the placing of Mr. Nixon's name in the title of the firm, he having been a partner therein since February, 1905.

The firm of Wistar & Underhill was organized in 1898 by Mr. Richard Wyatt Wistar and Frederick Saunders Underhill, and from its inception has achieved success and a prominent position in the Philadelphia wholesale trade. Mr. Nixon was admitted to the firm as a partner in February, 1905, at which time the style was changed to Wistar, Underhill & Co.

## RECENT TRADE LITERATURE.

The Dahlstrom Metallic Door Company, Jamestown, N. Y., is sending out a very attractive calendar and a booklet entitled "The Evolution of Interior Fireproofing."

\* \* \*

An interesting circular describing mathematical and drawing interests is being issued by the Keuffel & Esser Company, of Hoboken, N. J. This company issues also a very complete and comprehensive catalogue, which may be had free on request.

\* \* \*

A superbly illustrated catalogue of 224 pages devoted to wrought hardware is published by the Stanley Works, New Britain, Conn. Architects, builders and building owners who go in for the distinctive touch possible in the use of hammered metal, whether steel, brass or bronze, will find this catalogue worthy a place in their files.

\* \* \*

"Art in Metal Ceilings" is a 64-page catalogue sent out by the Canton Steel Roofing Company, of Canton, Ohio.

\* \* \*

"The World's Greatest Building Material" is the title of a booklet received from the Mastic Wall Board and Roofing Manufacturing Company, of Cincinnati, describing the uses of "Bishopric Wall Board," "Bishopric Sheathing" and "Bishopric Roofing."

\* \* \*

"The Story of Compo-Board, from Actual Photographs," "Compo-Board: What It Is, How It Is Made, How It Is Used," and



"Compo Comments" are a trio of unusually attractive booklets issued by the Northwestern Compo-Board Company, of Minneapolis.

\* \* \*

The Heppes Company, of Chicago, is issuing a line of very readable and interesting descriptive matter about the "Utility Wall Board" manufactured by them.

\* \* \*

The N. Z. Graves Company, Inc., Philadelphia, is sending out a card showing the range and quality of the "X. L." Mortar Colors manufactured by this well-known house. These colors mix quickly with lime, mortar, cement or plaster, come in any desired shade, are made of the highest grade ingredients, insuring permanency, and are guaranteed durable under wear. Copies of this card may be had on request by parties interested.

\*\*The eighth annual banquet of the Metal Manufacturers' Association of Philadelphia was held on Thursday evening last, in the Clover Room of the Bellevue-Stratford. The toastmaster was the president of the association, E. L. Langworthy, and the following toasts were responded to: "Public Opinion, Its Origin and Effects," United States Circuit Court Judge W. E. Speer; "Some Talk About Business," George A. Post, president Railway Business Association; "Metal and Mettle," Professor Francis F. H. Green, principal of the West Chester Normal School. In

addition to the president and toastmaster, the officers of the association are: J. H. Schwacke, vice-president; Thomas Evans, treasurer, and Henry Morgan, secretary.

Arnold W. Brunner, architect, made an address before the American Civic Association at Washington on the business side of city planning. J. Horace McFarland was re-elected President. Treasurer William B. Howland, of New York, and Secretary Richard B. Watrous, also were re-elected.

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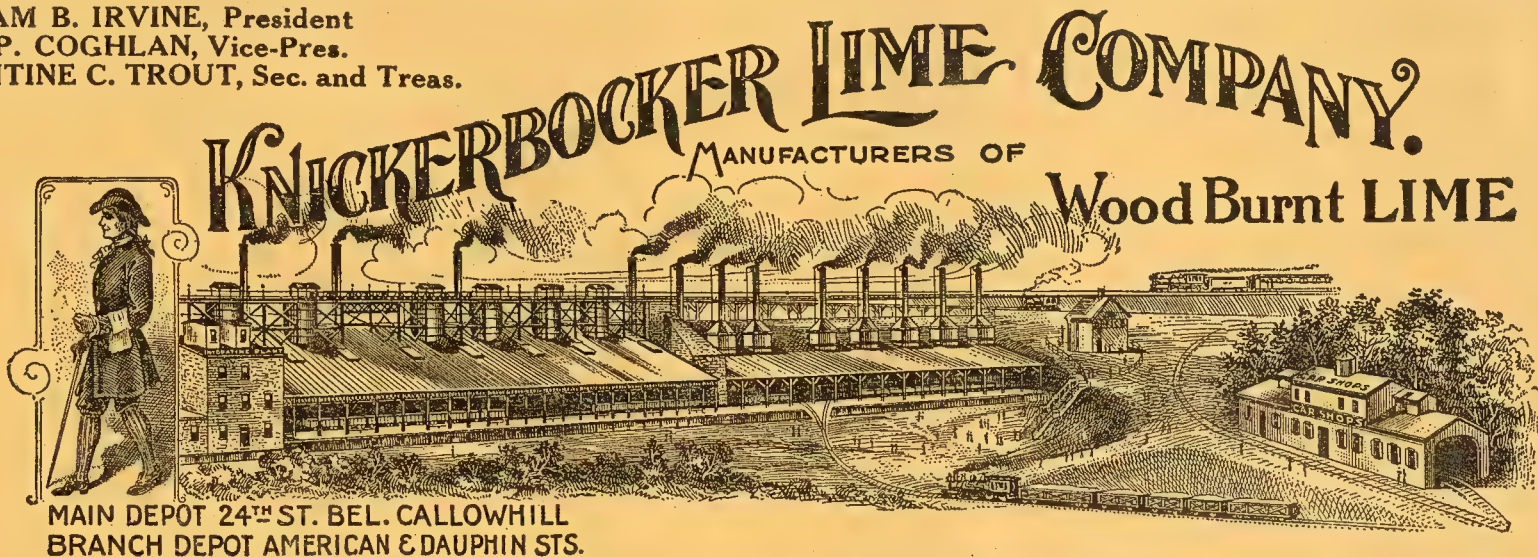
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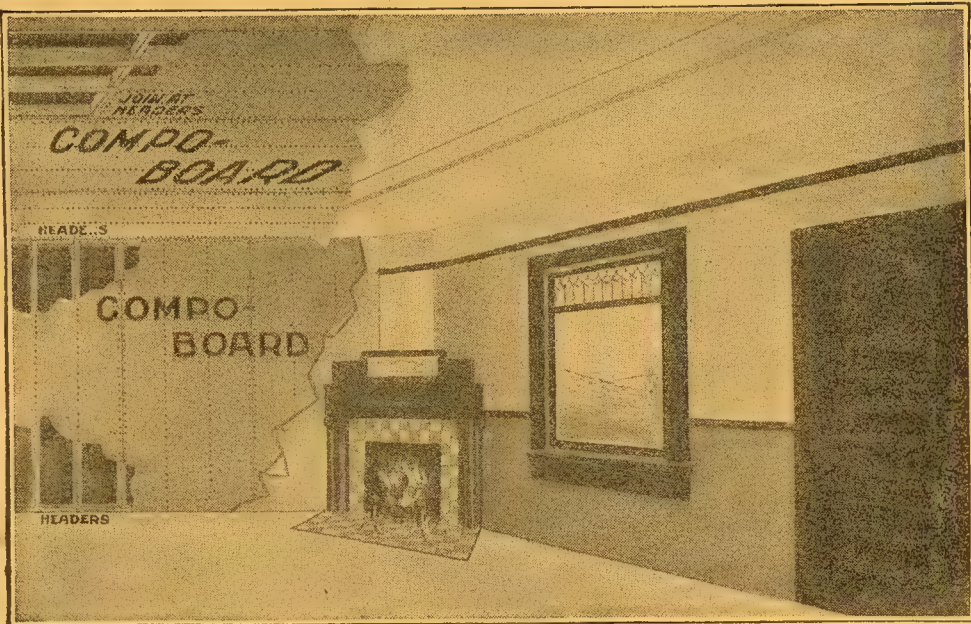
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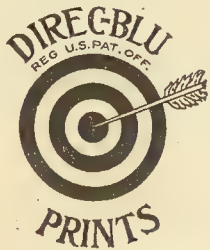
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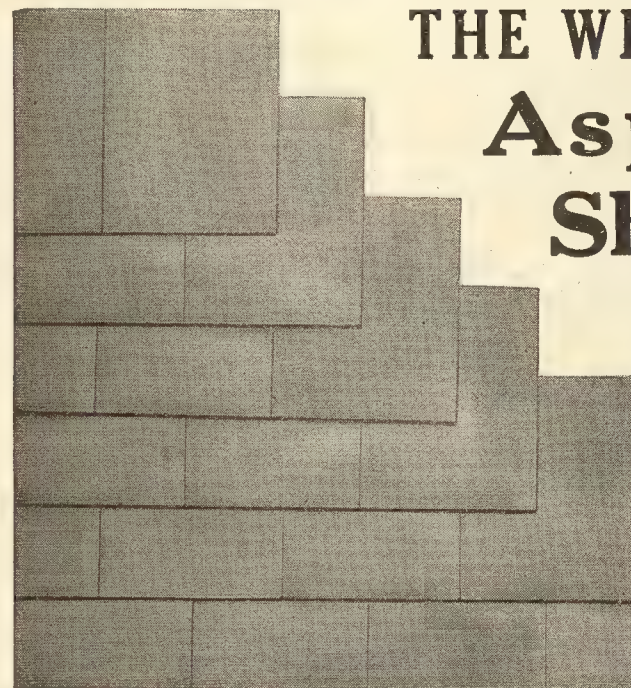
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# The Philadelphia Real Estate Record and BUILDERS' GUIDE

Containing Official Bulletin of the Master Builders' Exchange.

Vol. XXVII., No. 8.

PHILADELPHIA, WEDNESDAY, FEBRUARY 21, 1912.

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## Construction News

**New Operations; Architects and Owners; Cost Limit; Last Days of Filing Bids; Firms Figuring; Character of Material and Equipment Required; a Budget of Opportunities for Builders, Supply and Specialty Houses.**

**Warehouse and Display Rooms**, Twenty-third and Arch streets. Architect, C. J. Heckman, care of Larkin Company, Buffalo, N. Y. Owners, the Larkin Company of Pennsylvania, John McNally, manager, 2222 Arch street. Concrete and brick, eight stories, 90x167 feet. Plans in progress. Owners will take bids in six or eight weeks.

**School**, Berwyn, Pa. Architect, H. I. Reinhold, Tenth and Sansom streets. Owners, East Town School District, Berwyn, Pa. Brick, two stories, 8 rooms. Slate roof, hot air heating, electric lighting. Plans in progress.

**Bottling House**, 454 Rising Sun lane. Architect, Peter Kuhn, 3058 North Eighth street. Owner, John Friedrich, Fifth and Rising Sun lane. Brick, two stories, 53x88 feet. Slag roof. Architect taking bids. William J. Jones, 2947 North Fifth street, is figuring.

**Residence**, Bethayres, Pa. Architect, Bart Tourison, Land Title Building. Owner, Mrs. M. A. De Bekim, care of architect. Stone, two and one-half stories, 30x48 feet. Slate roof, electric work, hot water heating, hardwood floors. Plans in progress.

**Department Store (add.)**, Main street, Berlin, N. J. Architects, B. F. Medoff & Son, 524 Walnut street. Owner, Benj. Ceretis, on premises. Frame, iron, electric lighting, hot water heating, tin roof. Two-story addition, 22x36 feet. Plans in progress. Owner will take sub-bids.

**Memorial Hall**, Villanova, Pa., \$100,000. Architects, E. F. Durang & Son, Twelfth and Chestnut streets. Owners, Villanova College; donated, Bernard Corr. Stone (Hall), 174x50 feet, three stories; chapel, stone, 94x40 feet, one story. Slate roof, electric lighting, steam heating, hardwood floors. Plans in progress.

**Office Building (alt. and add.)**, 324 Walnut street. Architect, private plans. Owners, Kahn & Greenberg, 137 South Thirteenth street. Lessees, Maryland Casualty Company. Brick, four stories, entire new front and alterations to the interior, electric lighting, steam heating, slag roof. Owners taking bids, due February 21st. The following are figuring: H. Gill, 2200 Germantown avenue; Stavey Reeves & Son, 1609 Filbert street; F. A. Havens & Co., 845 North Nineteenth street; Ed. Fay & Son, 1521 Ranstead street; Pennsylvania Construction Company, Pennsylvania

Building; F. E. Wallace, 1210 Sansom street; J. W. Kline, 2530 North Broad street; F. J. Carberry, 51 North Hutchinson street; B. Ketcham's Son, 1029 Brown street.

**Stable and Garage**, Chestnut Hill, Philadelphia. Architect, Horace Trumbauer, Land Title Building. Owner, G. I. Bodine, Chestnut Hill, Philadelphia. Stone and brick, two and one-half stories, 25x40 feet. Electric lighting, steam heating, slate roof. Architect taking bids, due February 21st. The following are figuring: J. S. Wilson Company, 1125 Brown street; G. F. Payne & Co., 401 South Juniper street; Samuel Harting, 20 East Johnson street; J. Walt, 204 East Willow Grove avenue.

**Store (alt. and add.)**, 505 Market street. Architects, Denby & Nute, 333 Fourth avenue, New York. Owner, Mrs. E. R. Denby, care of architects. Stone and brick, five stories. Slag roof, electric lighting, steam heating. Architects taking bids, due February 21st. Irwin & Leighton, 126 North Twelfth street, are figuring.

**Residence (alt. and add.)**, 1518-20 Locust street. Architect, Guy King, 1513 Walnut street. Owner, Thomas S. Harrison, Esq., on premises. Brick, four stories, interior alterations. Plans in progress.

**Flat House**, Philadelphia, \$1,000,000. Architect, Guy King, 1513 Walnut street. Ten stories, 16 flats to a floor, 100x400 feet. Reinforced concrete, terra cotta, electric lighting, steam heating. Plans completed. Architect ready for bids at once.

**Loft Building**, near Fifteenth and Cherry streets. Architect, Guy King, 1513 Walnut street. Owner's name withheld. Concrete, fireproof, twelve stories, 100x425 feet. Electric lighting, steam heating, slag roof. Plans in progress.

**Factory**, East Allegheny avenue and Amber streets. Architect, private plans. Owners, General Processing Company, on premises. Brick, three stories, 15x60 feet. Electric lighting, steam heating, slag roof. Owners taking bids. Stacey Reeves & Sons, 1609 Filbert street; Doyle & Co., 1519 Sansom street; Guernsey-O'Meara Company, North American Building, are figuring.

**Stores (3)**, 5215-17-19 Market street. Architect, R. Werner, 5146 Market street. Owner,

W. Freihofer, Twentieth and Indiana avenue. Brick, two stories, 20x100 feet. Electric lighting, steam heating, slag roof. Architect taking bids, due February 23rd. The following are figuring: P. Haibach Construction Company, Twenty-sixth and Thompson streets; F. C. Brol, 5146 Market street; J. R. Wiggins, Heed Building; W. A. Patterson, Fifty-first and Walnut streets.

**Residence**, Port Kennedy road, Bridgeport, street. Owner, B. J. Stenger, care of architect. Architect, A. B. Lacey, 1012 Walnut street. Frame, slate roof, steam heating, 30x40 feet, two and one-half stories. Architect taking bids, due February 24th. The following are figuring: Frank R. Heavener, Norristown, Pa.; Shoffner Brothers, Norristown, Pa.; Morris Oberholtzer, Norristown, Pa.; H. H. Wehmeyer, 1004 West Lehigh avenue; F. E. Wallace, 1210 Sansom street.

**Residence (alt. and add.)**, 108 Queen lane, Germantown. Architects, Morris & Erskine, Crozer Building. Owner, M. E. Hess, on premises. Frame and plaster, two and one-half stories. Electric lighting, steam heating, tin roof. Architects taking bids, due February 27th. The following are figuring: H. E. Grau Company, 1707 Sansom street; R. C. Balingier & Co., 218 North Thirteenth street; W. J. Gruhler, 219 High street.

**Residence**, Villanova, Pa. Architects, Bailey & Bassett, 421 Chestnut street. Owner's name withheld. Stone, two and one-half stories, 80x35 feet. Shingle roof, electric lighting, hot air heating, hardwood floors. Architects taking bids, due February 27th. The following are figuring: Metzger & Wells, Heed Building; M. N. Croll, St. Davids, Pa.; Gray Brothers, Rosemont, Pa.; J. D. Lengle, Wayne, Pa.; F. H. Mahan, Ardmore, Pa.; J. B. Patterson, 3509 North Fifteenth street.

**Residence**, Overbrook, Philadelphia. Architects, Thomas, Churchman & Molitor, 1309 Walnut street. Owner's name withheld. Stone, three stories, shingle roof, steam heating, electric lighting. Architects taking bids, due March 1st. The following are figuring: A. L. Fretz & Son, 1222 Chancellor street; A. James, Bala, Pa.; M. W. Young, Overbrook, Philadelphia; Metzger & Wells, Heed Building; F. L. Hoover & Sons, Builders' Exchange; J. E. Kearney, 327 North Sixty-third street.



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Station, Cressona, Pa. Architect, William H. Hunter, Twelfth and Market streets. Owners, Philadelphia and Reading Railway Company, Twelfth and Market streets. Brick, one story, 60x20 feet. Electric lighting, steam heating, slag roof. Owners taking bids, due February 23rd. The following are figuring: H. E. Baton, Tenth and Sansom streets; T. C. Trafford, 1613 Sansom street; J. S. Wilson, 1125 Brown street; Irwin & Leighton, 126 North Twelfth street; M. P. Wells, Witherspoon Building.

Station (alt. and add.), Twenty-fourth and Chestnut streets. Architect, M. A. Long, Baltimore, Md. Owners, Baltimore and Ohio Railway Company, Twenty-fourth and Chestnut streets. Steel and frame, one story, slate roof, electric lighting. Owners taking bids, due February 20th. The following are figuring, in addition to those previously reported: J. E. & A. L. Pennock, Land Title Building; James G. Doak & Co., Crozer Building; Irwin & Leighton, 126 North Twelfth street; John W. Emery, 1524 Sansom street.

Factory, Orthodox street and Delaware River. Architect and engineer, M. Ward Easby, Crozer Building. Owners, the Ajax Metal Company, 46 Richmond street. Consists of a group of buildings. Plans in progress.

Garage, White Plains, N. Y., \$5,000. Architect, Guy King, 1513 Walnut street. Owner, S. Keith Evans, 275 Fifth avenue, New York. Hollow tile, two stories, 37x55 feet. Tile roof, electric lighting, hot water heating. Plans in progress.

Residence, Littleneck, L. I. Architect, Guy King, 1513 Walnut street. Owner, Arthur Bave, Littleneck, L. I. Hollow tile, fireproof, one and one-half stories, 40x70 feet. Thach roof, hot water heating, electric lighting, hardwood floors. Plans in progress.

Veterinary Hospital and Dog Kennels, Dallas, Texas. Architect, Guy King, 1513 Walnut street. Owner, W. D. Paine, Dallas, Texas. Concrete, 100x150 feet. Tile roof, hot water heating, electric lighting. Plans in progress.

Club House, Montreal, Canada, \$50,000. Architect, Guy King, 1513 Walnut street. Owners, Ski Club of Montreal. Hollow tile, reinforced concrete, two stories, tile roof. Plans in progress. Too early for details.

Club House, Ottawa, Canada, \$50,000. Architect, Guy King, 1513 Walnut street. Owners, Ski Club of Ottawa, Canada. Hollow tile, reinforced concrete, two stories. Plans in progress. Too early for details.

Residence, Indianapolis, Ind., \$75,000. Architects, Price & McLanahan, Sixteenth and Walnut streets. Owner's name withheld. Stone, three stories, 40x100 feet. Slate or tile roof, electric lighting, hot water heating, hardwood floors. Plans in progress.

Residences (315), Twenty-first and Passyunk avenue, \$800,000. Architect, private plans. Owner, Borton C. Simon, 1544 Passyunk avenue. Brick, two stories, 15x40 feet. Slag roof, electric lighting, hot air heating or steam. Owner taking sub-bids.

Store (alt. and add.), 1646 South Seventh street. Architects, Barnet J. Medoff & Son, 524 Walnut street. Owner, Harry Mendowitz, care of architects. Brick, two stories, consists of new bulk windows, alterations and rear addition. Slag roof, electric lighting, hot air heating. Plans in progress.

Power House, Hauto Pa., Architect and engineer, L. B. Stillwell, 100 Broadway, N. Y. Owners, Lehigh Navigation Electric Company, Hauto, Pa. Concrete tunnels and masonry foundations, collins and machinery, 180x130 feet and 70x285 feet. Architect taking bids, due February 21st. Jacob Myers & Sons, Witherspoon Building, are figuring.

Police Station, Fifty-fifth and Pine streets. Architect, Carl B. Zilenziger, City Hall. Owners, City of Philadelphia, Department of Public Safety. Brick and steel, fireproof, two stories, 57x84 feet, 59x46 feet, 28x84 feet. Slag roof, electric lighting, steam heating. Consists of police station, fire station and garage. Owners taking bids, due February 23rd, 12 P. M. The following are figuring: George Hogg, 1634 Sansom street; J. W. Emery, 1524 Sansom street; A. Whitehead, 1624 Latimer street; H. C. Rea, 711 North Fifteenth street; Wayne Contracting Company, 1214 Filbert street; H. E. Baton, Tenth and Sansom streets; D. T. McCarthy, 1027 North Seventh street; J. H. Jordan, Thirty-first and Oxford streets; E. F. Fonder, Land Title Building; Mitchell Brothers, 2125 Race street; J. G. Doak & Co., Crozer Building; Abel Bottoms & Co., 41 South Fifteenth street; Metzger & Wells, Heed Building; Ed. Fay & Son, 1521 Ranstead street; I. T. Shoemaker, 24 South Seventeenth street; William R. Dougherty, 1604 Sansom street; Sax & Abbott, Hale Building.

Atl. and Add. to Residence for Apartments, 3232 Chestnut street. Architect, H. Taylor Smith, 6124 Jefferson street. Owner, A. Hartel, 3232 Chestnut street. Brick and stone, four stories. Slag roof, electric lighting, steam heating. Owner has received bids.

Residence, Chestnut and Main streets, Moorestown, N. J. Architects, Savery, Scheetz & Savery, Stephen Girard Building. Owner, E. S. Abbott, Moorestown, N. J. Brick, two and one-half stories, 20x46 feet. Shingle roof, hot air heating, hardwood floors. Architects have received bids.

Hotel, northwest corner Thirteenth and Filbert streets, \$500,000. Architects, Esenwein & Johnson, 775 Ellicott Square, Buffalo, N. Y. Owner, Charles H. Vendig, care I. Hecht, Bailey Building. Tapestry brick, stone and terra cotta, fireproof, twelve stories, 95x95 feet. Electric lighting, steam heating, slag and tile roof. Owner taking bids, due March 4th. The following are figuring: H. Shenk, Erie, Pa.; Roydhouse Arey & Co., Fidelity Building; George F. Payne & Co., 401 South Juniper street; Doyle & Co., 1510 Sansom street; Doak & Co., Crozer Building; J. E. & A. L. Pennock, Land Title Building; Charles McCaul Company, Tenth and Sansom streets; B. Ketcham's Sons, 1029 Brown street; Cramp & Co., Denckla Building; J. Myers & Sons, Witherspoon Building; Osceawanda Company, 200 Fifth avenue, N. Y.; G. B. Long, Akron, Ohio; Hedden Construction Company, 1 Madison avenue, N. Y.; James Stewart Company, Oliver Building, Pittsburgh, Pa.; Irwin & Leighton, 126 North Twelfth street; J. R. Wiggins, Heed Building; Wells Brothers Company, Morris Building; John W. Emery, 1524 Sansom street.

School, Harper's Ferry, W. Va. Architects, Holmboe & Lafferty, New York. Owners, Harper's Ferry School Board. Brick and stone, three stories, 66x108 feet. Asbestos shingle roof, electric lighting, steam heating.





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Owners taking bids, due February 23rd. H. L. Brown, 1714 Sansom street, is figuring.

**Residence**, Chestnut Hill, Philadelphia. Architects, Price & McLanahan, Sixteenth and Walnut streets. Owner, J. L. Woolston, 110 Chestnut street. Stone, two and one-half stories. Plans in progress. Too early for details.

**Bank Building**, 608 South Second street. Architects, Seymour & Paul A. Davis, 1600 Chestnut street. Owners, Southwark National Bank, 608 South Second street. Brick and marble, two stories, 40x106 feet. Composition roof, hot water heating, electric lighting. Revised plans in progress.

**Warehouse and Storage**, Nicetown, Philadelphia. Architect, private plans. Owners, Link Belt Company, Nicetown, Pa. Brick and steel, one story, 80x160 feet. Electric lighting, slag or tile roof. Plans about completed. Owners will take bids.

**Residence**, Park avenue and Medary avenue. Architect, Lawrence Clark 1001 Witherspoon Building. Owner, Katherine E. Murphy. Frame, two and one-half stories, 30x61 feet. Shingle roof, electric lighting, hardwood floors, steam heating. Architects taking bids, due February 26th. The following are figuring: J. H. Dagney, Oak Lane, Philadelphia; F. E. Wallace, 1210 Sansom street; M. E. Hauser, Glenside, Pa.; W. J. Gruhler, 219 High street; H. H. Wehmeyer, 1004 West Lehigh avenue; H. Brocklehurst, 512 West Norris street.

**Bottling House**, 454 Rising Sun lane. Architect, Peter Kuhn, 3058 North Eighth street. Owner, John Friedrich, Fifth and R streets. Brick, two stories, 53x88 feet. Slag roof. Architect taking bids, due February 24th. The following are figuring, in addition to those previously reported: H. H. Wehmeyer, 1004 West Lehigh avenue; P. J. Gaffney &

Co., 130 North Twelfth street; B. Walker, 3953 Germantown avenue.

**School** (alt. and add.), Plainfield, N. Y. Architect, J. T. Rogers, 11 East Twenty-fourth street, New York. Owners, Board of Education, Plainfield, N. Y. Brick, three stories. Electric lighting, steam heating, slag roof. Owners taking bids, due February 26th. Metzger & Wells, Heed Building, are figuring.

**Residence** (alt. and add.), New Garage, Elkins Park, Pa. Architects, Simon & Bassett, 1112 Chestnut street. Owners, Louis Wolf, Elkins Park, Philadelphia. Stone, two and one-half stories, 43x61 feet. Electric lighting, steam heating, shingle roof, hardwood floors. Architects taking bids, due February 23rd. The following are figuring: H. E. Grau Company, 1707 Sansom street; J. N. Gill & Co., Heed Building; William F. Fesmier, 5225 Germantown avenue; J. F. Davies, 1208 Chestnut street; A. Whitehead, 1624 Latimer street.

**Stores and Apartments**, Oak Lane, Philadelphia. Architect, private plans. Owner, Thomas C. Bernard, 1624 Sansom street. Brick, three stories, 26x45 feet. Slag roof, electric lighting, steam heating. Owners taking bids, due February 29th. The following are figuring: William J. Gruhler, 219 High street; Morrow & Johnson, Oak Lane, Philadelphia; George Hogg, 1634 Sansom street; McLean & Baldwin, 1626 Sansom street; William R. Dougherty, 1608 Sansom street; W. J. Irwin.

**Residence** (alt. and add.), Fort Washington, Pa., \$6,000. Architect, Ralph E. White, Pennsylvania Building. Owner, William McAdoo, Fort Washington, Pa. Consists of interior alterations. Plans in progress.

**Hospital** (alt. and add.), Seventeenth and Cherry streets. Architect, Ralph E. White, Pennsylvania Building. Owners, Medico-

Chirurgical Hospital, on premises. Interior alterations, first floor. Architect taking sub-bids.

**Residence**, Haddonfield, N. J., \$7,000. Architects, Durham Brothers, Heed Building. Owner, Captain William H. Johnson, Haddonfield, N. J. Frame, two and one-half stories, tin and shingle roof, electric lighting, hot air heating. Owner is taking sub-bids.

**Residences and Stores** (9), Eighty-first and Tincum avenue, \$20,000. Architects, Durham Brothers, Heed Building. Owner, Michael Och, Eighty-seventh and Lycock avenue. Brick, two stories, slag roof, hot air heating. Owner is taking sub-bids.

**Hotel**, Wildwood Crest, N. J. Architect, Louis Charles Maurer, 1403 Broadway, New York City. Owner's name withheld. Frame and stucco, three stories, 200x200 feet, steam heating, electric lighting. Architect is ready for bids.

**Flat House**, Broad and Wharton streets. Architect, Samuel Milligan, 520 Walnut street. Owners, Carson Realty Company, Broad and Wharton streets. Tapestry brick and sandstone, four stories, 68x200 feet. Slag roof, steam heating, electric lighting, hardwood floors. Plans in progress. Architect will take bids in two or three weeks.

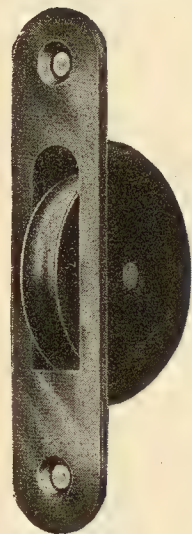
**Country Club**, Alexandria Bay, New York. Architects, Hewitt, Granger & Paist, Bullitt Building. Owners, Thousand Island Country Club, care of G. C. Bolt, Waldorf-Astoria, New York. Revised plans in progress.

**Y. M. C. A. Building**, Raleigh, N. C. Architects, Shattuck & Hussey, 19 South LaSalle street, Chicago, Ill. Owners, Y. M. C. A., Raleigh, N. C. Stone and brick and concrete, four stories, 70x126 feet. Steam heating, electric lighting, slag and composition roof. Architects taking bids, due March 12th.



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Metzger & Wells, Heed Building, are figuring.

**Church**, Ambler, Pa., \$30,000. Architects, Lachman & Murphy, Witherspoon Building. Owners, First Methodist Episcopal congregation, Ambler, Pa., care of E. C. Scott, 533 Pennis avenue, Ambler, Pa. Stone, one story, slate roof, electric lighting, steam heating. Architects taking bids, due February 29th. The following are figuring: F. L. Hoover & Sons, Builders' Exchange; B. P. Evans & Co., Thirteenth and Wallace streets; J. S. Wilson, 1125 Brown street; J. B. Flounders, 1320 Arch street; F. H. Keiser, Pottstown, Pa.

**Power House**, Burkley Heights, N. J. Architects, Oakley & Son, Elizabeth, N. J. Owners, Bonnie Burn Sanitarium, Burkley Heights, N. J. Brick and concrete, two and one-half stories, 60x40 feet. Tile roof, electric lighting, laundry equipment, brick stack. Architects taking bids, due February 28th. Metzger & Wells, Heed Building, are figuring.

**Theatre**, Forty-first and Lancaster avenue. Architect, John D. Allen, Denckla Building. Owner, Mrs. J. Effinger, 4130 Parkside avenue. Brick, two stories, 56x172 feet. Slag roof, electric lighting, steam heating. Architect taking bids, due February 26th. The following are figuring: A. R. Raff, 1635 Thompson street; A. Whitehead, 1624 Latimer street; P. J. Hurley, 1233 Cherry street; B. Ketcham Sons, 1029 Brown street; Stacey Reeves & Sons, 1611 Filbert street.

**Y. M. C. A. (add.)**, Atlantic City, N. J., \$150,000. Architect, Horace Trumbauer, Land Title Building. Owners, Y. M. C. A., Atlantic City, N. J. Brick and stone, three stories. Slag and tile roof, electric lighting, steam heating. Revised plans in progress.

**Shirt Factory**, 134th street and Walnut avenue, New York City. Architects, Ballinger & Perrot, 1211 Arch street. Owners, Phillips Jones Company, 502 Broadway, New York City. Brick and concrete, electric lighting, steam heating. Plans about completed. Architects ready for bids in a few days.

High School and Gymnasium, Albany, N. Y.

Architects, Goldwin Starrett & Van Vleck, Everett Building, New York. Owners, Board of Education of Albany, N. Y. Brick and concrete, three stories, 105x272 feet; gymnasium, 72x64 feet. Slate and slag roof, electric lighting, steam heating. Owners taking bids, due March 4th. J. E. & A. L. Pennock, Land Title Building, are figuring.

### WILMINGTON, DEL.

**Residence**, Berlin, Md., \$4,000. Architect, William S. Evans, Jr., Equitable Building, Wilmington, Del. Owner's name withheld. Frame, two and one-half stories, 28x32 feet. Shingle roof, electric lighting, hot water heating. Plans in progress.

**Residence**, Chestertown, Md., \$5,000. Architect, William S. Evans, Jr., Equitable Building, Wilmington, Del. Owner's name withheld. Brick, two and one-half stories, 30x30 feet. Shingle roof, electric lighting, hot water heating. Plans in progress.

**Residence**, Delaware City, Del., \$7,000. Architect, R. C. Tindall, Equitable Building, Wilmington, Del. Owner, Mrs. Charles Jefferson, Delaware City, Del. Frame, two and one-half stories, 30x60 feet. Shingle roof, electric lighting, steam heating, hardwood floors. Plans in progress.

**Residences (4)**, Twenty-fourth and Madison streets, Wilmington, Del., \$12,000. Architect, R. C. Tindall, Equitable Building, Wilmington, Del. Owner, Mrs. L. E. Tindall, care of architect. Brick, two stories, 23x30 feet. Electric lighting, hot water heating, slate and slag roof. Plans in progress.

**Residences (10)**, Brown and Oak streets, Wilmington, Del., \$30,000. Architects, J. & M. Kennedy, Ford Building, Wilmington, Del. Owners, West End Improvement Company, on premises. Brick, three stories, 30x40 feet. Slate and tin roof, electric lighting, hot water heating, hardwood floors. Plans about completed. Architects will take bids in two weeks.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Foundry Building**, Swanson and Bainbridge streets. Builder, F. B. Davis, 35 South Seventeenth street. Owner's name withheld. Brick, two stories, 54x150 feet. Slag roof, electric lighting. Builder will take sub-bids.

**Garage**, 1311-15 North Watts streets. Architects, Sauer & Hahn, 1118 Chestnut street. Owner, Hon. Clarence Walf, on premises. Brick and concrete, two stories, 51x60 feet. Slag roof, electric lighting, steam heating. Contract awarded to H. E. Baton, Tenth and Sansom streets.

**Convention Hall**, Broad and Allegheny avenue, \$107,000. Architect, C. P. Berger, 1414 South Penn Square. Owners, City of Philadelphia. Frame and plaster, one story, 265x409 feet. Slag roof, electric lighting, steam

heating. Contract awarded to M. P. Wells, Witherspoon Building.

**Veterinary Hospital Building**, Thirty-ninth and Baltimore avenue. Architects, Stewardson & Page, 420 Walnut street. Owners, University of Pennsylvania, Thirty-fourth and Spruce streets. Brick, two stories, 44x205 feet. Slate and slag roof, electric lighting, steam heating. Contract awarded to William R. Dougherty, 1608 Sansom street.

When you want to find the address of the man who "doesn't believe in advertising," don't look up a directory. Just ask the sheriff.



# Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

N. Reidman (O), Sixtieth and Walnut streets. Cost, \$8,000. Two dwellings, brick, 16x77 feet, Fifty-sixth and Catherine streets. Cost, \$42,000. Twelve dwellings, Sixtieth and Walnut streets.

J. M. Kennedy (O), 1001 Chestnut street. F. P. Kennedy (C), B and Thayer streets. Cost, \$6,800. Factory, brick, two stories, 154 x 190 feet, B and Ontario streets.

William Freihofer (O), Twentieth and Indiana avenue. Philip Haibach Construction Company (C), 2530 Thompson street. Cost,

\$14,000. Brick warehouse, three stories, 48x115 feet, Fifty-second and Filbert streets.

J. J. Connor (O), Fifty-second and Regent streets. Cost, \$60,000. Apartment houses, four stories, 50x39 feet, Fifty-second and Springfield avenue.

Isaac A. Sheppard Company (O), Forty-first and Montgomery avenue. William Steele & Sons Co. (C), 1600 Arch street. Cost, \$40,000. Factory, one story, brick, 345x107 feet. Cost, \$75,000. Three-story brick factory, 242x82 feet, Forty-first and Montgomery avenue.

## Alterations and Additions

Bernstein Manufacturing Company (O), Third and Westmoreland streets. William Steele & Sons Company (C), 1600 Arch street. Cost, \$1,200. Factory, Third and Westmoreland streets.

William J. McAuliff (O), 5940 Haverford avenue. Carvan Construction Company (C), 5143 Irving street. Cost, \$800. Garage, 5940 Haverford avenue.

G. P. Coghlan (O), 2141 North Broad street. F. A. Isphording (C), 1527 North Dauphin street. Cost, \$2,300. School, Park and Susquehanna avenue.

Dr. W. E. Rourk (O), 1702 North Thirteenth street. A. Schmidt (C), 2429 Hancock street. Cost, \$1,000. Garage, 1702 North Thirteenth street.

J. O. Higgs (O), 1427 North Sixty-second street. M. W. Young (C), Overbrook, Philadelphia. Cost, \$800. Dwelling, 1427 North Sixty-second street.

R. C. Chance (O), 1313 South Fifteenth street. LeRoy K. Smith (C), 5324 North Twelfth street. Cost, \$4,000. Dwelling, 922 South Forty-eighth street.

Ida B. Mackey (O), 4605 Cedar avenue. E. P. Doyle (C), 5250 Walnut street. Cost, \$3,000. Dwelling, 5019 Pine street.

Sam Salis (O), 301 Chestnut street. L. D. Stiles (C), 142 Herman street. Cost, \$500. Dwelling, 7 West Sharpnack street.

A. Gillman (O), 923 North Twelfth street. Seidman & Getz (C), 1312 North Sixth street.

Cost, \$7,000. Saloon, Seventh and Parrish streets.

Sam Mitchell (O), 113 North Fifty-eighth street. Harry Shore (C), 1531 South Eighth street. Cost, \$1,125. Residence and store, 5451 Master street.

Ester Bernstein (O), Seventh and Ritner streets. Morris Sternberg (C), 737 Jackson street. Cost, \$380. Store and dwelling, 835 South Tenth street.

Philadelphia Rapid Transit Company (O), Eighth and Dauphin streets. Cost, \$4,500. Car barn, Belmont and Leidy avenues.

Union Fertilizer Company (O), 897 Drexel Building. Cost, \$2,500. Factory, Delaware avenue and Bigler street.

E. Leiper (O), 800 North American street. G. Gramlick (C), 1437 North Fourth street. Cost, \$1,000. Store.

Octavia Hill Association (O), 613 Lombard street. Cost, \$400. Dwelling, 533 East Ritzenhouse street.

William Kelly (O), 1204 Pine street. J. Johnson (C), 1721 Ludlow street. Cost, \$800. Shed, 1207 Waverly street.

Philadelphia and Reading Railroad Company (O), Twelfth and Market streets. J. E. & A. L. Pennock (C), Land Title Building. Cost, \$33,000. Station, East Falls of Schuylkill.

Kingan Provision Company (O), Eighth and Callowhill streets. P. Haibach Construction Company (C), 2530 West Thompson street. Cost, \$4,000. Warehouse and storage.

### MORE OR LESS PERSONAL.

Benjamin Howell Lackey and Richard Dwyer Davis, practicing architects under the firm name of Lackey & Davis, Camden, N. J., announce that the firm is dissolved by mutual consent. Mr. Lackey will continue to practice as an associate of Donald Folsom, architect, 1433 Chestnut street, Philadelphia, Pa., and 307 Market street, Camden, N. J. Mr. Davis will be connected with S. Hudson Vaughn, architect, of Atlantic City, N. J.

A. Wilfred Tuthill, manager of the common brick department of Sayre & Fisher Co., and his bride, who was Miss May Bedlow Armstrong, of Los Angeles, have returned

from an extended wedding tour. Mr. Tuthill is actively interested in the Suffolk Country Club and is a director of the Building Material Exchange.

L. I. Van Nest has opened an office at 218 East Fourth street, Plainfield, N. J., for the practice of architecture, and requests samples and catalogues.

John W. Moore has been appointed superintendent of the Bureau of Buildings of the Borough of Queens, New York, and John R. Higgins has been appointed superintendent of the Bureau of Sewers.

## VENTILATING MOVING PICTURE HALLS.

Recommendations for Legislation Advanced by the American Society of Heating and Ventilating Engineers.

A committee representing New York Chapter of the American Society of Heating and Ventilating Engineers reports the following recommendations for the compulsory ventilation of moving picture auditoriums:

Floor Area Per Occupant.—A minimum of 5 square feet of floor space per occupant, exclusive of passageways, shall be provided in the audience hall.

Cubic Space Per Occupant.—A minimum of 90 cubic feet of air space per occupant shall be provided in the audience hall.

Quantity of Outdoor Air.—A positive supply of outdoor air from an uncontaminated source shall be provided the audience hall at all times while the show place is open to the public, and the quantity of this positive supply of outdoor air shall be based on a minimum requirement of 20 cubic feet per minute per occupant.

Temperature.—The temperature of the air in the audience hall shall be maintained throughout at the breathing line (persons being seated) within the range of 65 degrees F. to 70 degrees F., and the temperature, distribution and diffusion of the supplied outdoor air shall be such as to maintain this result without uncomfortable draughts.

Direct Heat Sources.—Any good heat source which does not contaminate the air will be accepted to supplement the warmed outdoor air supply. Gas heaters or coal stoves are prohibited.

Machine Booth Ventilation.—Enclosures or booths for the motion picture machines shall be provided with special exhaust ventilation positively changing the air in the booth at least six times per hour, and being entirely independent from any exhaust ventilation of the audience hall. This ventilation shall consist of a number of small metal-screened openings near the bottom of the booth, and a metal or other fireproof flue (size not less than 15 inches in diameter) extending from top of booth and carried to proper place of discharge outdoors and augmented by mechanical appliance or otherwise to secure the results herein stated.

General questions, such as inspection, method of enforcing the requirements, penalties for noncompliance, etc., are left for each town or city to determine.

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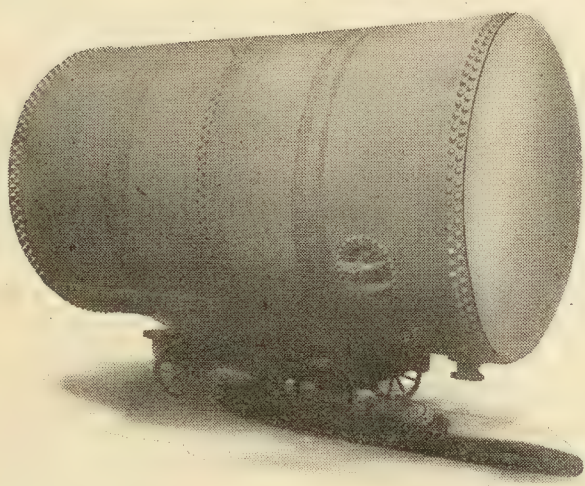
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### SHORT SIGHTED CONTRACTORS.

#### Importance of Efficient Help Often Overlooked—Cheap Construction Another Error.

There is more real economy in having efficient office help than in trying to get along with men whose ability is moderately good. A contractor who is conscious of this fact is the man who makes progress. Sometimes a builder is desirous of making as much profit for himself as is possible on every contract that he takes, and one means to attain this end is the employment of inferior workmen. He labors under the impression that with his own assistance he cannot only show them much that will be helpful, but that he can do a great deal himself and in this way keep the cost down.

For many reasons this is a most foolish notion. It might prove helpful sometimes in the case of a very ordinary piece of work, but even then the errors made, time lost and other annoyances really foot up more than the additional profit would be by employing the best help. There are some contractors, states the "National Builder," who are so narrow in their views on this important question that they are short-sighted enough to feel they are actually making a nice profit when they are losing money.

There is also the question of cheap construction work. Some builders, particularly those who construct buildings to sell, have the habit of using only inferior materials and the most inferior labor. In order to hide the defects, which are natural in most cases, they hide them with paint and paper.

There is another class of house contractors who work upon lines that are slightly different from the above, but which are in no respects more honorable. They use scrap lumber, cheap brick and other materials that are worse than second-hand, and they offer them as first-class houses, while some of the defects are actually in evidence. Many buyers are poor people, who have only a small cash payment to make, and the rest is purchased on time payments, with large interest. If he moves out, the contractor is just that much ahead. He sells it to another at the original

price, sometimes for cash or on the same terms. In any event he is the gainer.

Instances of this kind are far more common than many would like to believe possible. What is the reputation of the builder of this class of work worth? He does not care, and no one else should. But there is the danger of mistrust that is shared by many other contractors who are honest. It is a grave error to use inferior materials, or to employ inferior help. The economy in this way is not only false, but it is a millstone to drag to ruin the unwise contractor. How often, in order to beat a competitor or to keep a force of men at work, or for some other reason equally as unwise, will not a contractor take a job at a figure that will make it almost impossible to obtain a profit?

Ignorance of the conditions governing a contract is sometimes responsible for this; then, on other occasions, it is ignorance on the part of the contractor himself as to the duties demanded of him. In either event it is well to leave it to some one else, and not take a chance that has so much of the gamble in it. It is these little points that are at times most valuable for the contractor to bear in mind. The wise contractor will see ahead of him, and not simply live from day to day, taking every possible opportunity that savors of chance, in order to seek and make an imaginary profit for himself.

### MORE OR LESS PERSONAL.

Emlyn L. Stewardson and James P. Jamieson, practicing as Cope & Stewardson, announce that the firm is dissolved except as regards obligations under existing contracts. Mr. Stewardson has associated with him Mr. George Bispham Page and will continue to practice in Philadelphia under the firm name of Stewardson & Page. Mr. Jamieson will practice in St. Louis.

\* \* \*

Cram, Goodhue & Ferguson, architects, formerly of 170 Fifth avenue, have moved their offices to 2-4-6 West Forty-seventh street, New York.



## MODERN ENGLISH DOMESTIC ARCHITECTURE

By E. C. Morgan Willmott, A. R. I. B. A.

*Copyrighted by and reprinted by courtesy of The Western Architect.*

Architect

Guy Dawber, F. R. I. B. A.

## NETHER SWELL MANOR

It is pleasant to reflect that in placing this illustrated article upon modern English Domestic Architecture before critical American professional readers, it is the placing before them of a phase of building work, in which, without being in any way insular, one may state Englishmen are pre-eminent.

In no other country has the domesticated and private character of the word "home" been translated into such successful bricks and mortar. Work in continental and other countries seem to miss that subtle indefinable element of charm which one confidently asserts is a common feature of all the photographs herewith. Certainly, they are the best examples of many of the leading architects in this class of work, yet at the same time, it may be pointed out that good domestic work is being carried out all over the country by lesser known architects as well as by the more eminent men. England is a happy medium country and nowhere does a country enjoy such an even and equable climate, re-

culting in a countryside whose verdant green undulations and pastoral prettiness is prolific ground for the erection of houses and buildings which fit harmoniously and easily into naturally charming situations. Wherein lies the secret of success—it is hard to say, but one ventures to think that it is a sane and easy temperamental expression allied to natural opportunity.

At least we may call many of the designs herewith, simple, architectural and reposeful.

A striking illustration is by Mr. C. F. A. Voysey, whose name, it is thought, must be used by history as a first exemplar of the excellent domestic architecture of the early twentieth century. The example chosen though by no means the most ambitious work of this notable architect, is at least typical, and it may be indicated that as a general rule, English architects find their most complete and perfect inspiration in subjects of an unambitious character. The house is rough casted with a green slate roof, has a

tarred plinth and bath stone dressings to the windows which are iron glazed with well leaded lights. There is a direct architectural appeal contained within the simple forms and materials used, while no conscious effort is apparent about the grouping. The chimneys are strong and sturdy and bear eloquent indication of beneficial economy in regard to the general planning.

The interior, with plain ledged doors enameled white is even more simple than the exterior, and all that may be added in undiluted praise of this house is contained within the old adage "Imitation is the Sincerest Form of Flattery." This class of house has become a type and the designer has become the unconscious leader of a school whose efforts are not unworthy of their master.

At the same time it may be thought that domestic work as shown by the exterior and interior under consideration is unnecessarily austere and Spartan-like. It is almost





## UPTON GREY HANTS



Architect  
ERNEST NEWTON,  
F. R. I. B. A.

uncomfortably English and needs a philosophic realization to do its merits justice.

While owing little to tradition, Mr. Voysey's work contrasts pleasantly with the splendid architectural mediaevalism of Mr. Ernest Newton, F. R. I. B., A. R. A., whose success in the example under notice (Upton Grey Hants) is owed to the adoption of old forms of materials used in a pleasantly individualistic way.

Here are all the meritorious ingredients of a semi-satisfying Elizabethianism, the natural finish and nature of the materials being carefully recognized.

The exterior of the house at Hatfield is carried out in rough casted brick walls, red sand faced, brick red tile roofs, wood frames, iron casements and heavy lead lights.

It was a wonderfully daring experiment to

rough cast the whole of a house of this size, a house too, which owes little or none of its success to grouping or the breaking up of parts; the straight and simple roof line, the symmetrically placed entrance door and the uniformed abundancy of the wall covering, forming the nucleus of a perfectly successful result. Without aspiring to any very intimate knowledge of contemporary American Domestic Architecture, the writer feels that the artistic and practical value of cement or lime rough cast or pebble dash is not sufficiently appreciated in the United States.

By the use of different gravel or different pebbles, washed or of varying colors, a splendid variety may be obtained both in texture and tone, and then, of course, cement rough cast is the best possible weather protection walling of any nature that one can have.

If the natural color of cement or lime rough cast is not desired, either may be white-washed with an admixture of tallow; while some, again, may prefer the coloring to take a brown or ochre tone.

Mr. Guy Dawber's work is no doubt well known to the professional public, and one is so glad to be able to use illustrations of some typical houses. While this architect has designed many very charming houses (large and small) in the more prevalent style of which Mr. Voysey is a specialized leader, the author cannot help thinking that Mr. Guy Dawber's real metier is the stone faced buildings such as are illustrated herewith. Nether Swell Manor, Gloucestershire, is a house which owes some little inspiration in a Jacobean precedent; at the same time, tradition and individuality have both been allowed legitimate





## WESTERGATE EALING



MR. MORLEY HORDER,  
F. R. I. B. A.,  
Architect

scope, the result being a picturesque refined building which harmonizes and calls forth all the charm of the beautiful district in which it is situated. There are two other illustrations—one a lodge, and the other an entrance gable to a medium sized house, both by Mr. Dawber. These carry, perhaps, a more modern air than Nether Swell Manor and in contrast it is interesting to note the well defined air of scale possessed by the smaller buildings. A larger building with Renaissance feeling is Conkwell Grange, a pleasing conception bearing all the marked characteristics of its distinguished author. The exquisite and careful detail of this house is exemplified in the detailed illustration of the porch entrance. Its merits speak for themselves and no carping words of criticism could mar the complete success of the house in general, and this doorway in particular. Mr. Edgar Wood is an individualistic worker in a school of his own, a school whose aim is neither bounded or fettered by contemporary architectural achievement.

Mr. Wood's designs all have something imaginative in their construction, the value of form and proportion being partially subjugated to the requirements of the use and texture of the materials used. In the house at Done, the very old looking rubble walling is deliberate and intentional, as are also the use of selected old tiles in the roofs.

There is a modern tendency to over-value texture in and relating to building work, Mr. Edgar Wood more than others preferring to use, where possible, old tiles for roofs, old timber for woodwork, old bricks for walling, thereby more speedily attaining that mellow effect most usually obtained by the passing of time.

This tendency towards a rough or antique finish is in the author's opinion to be partially deprecated, savoring of an architectural dishonesty of purpose. It is on a par with the further tendency of wholly furnishing a

new house with old and antique furniture. A gate legged table from this sale, a clock from that sale, and a Chippendale chair from the other place. The resultant—a pleasant medley of other people's possessions and other

people's associations. A house so furnished or a house so designed lacks that essential personal note which seems so desirable. Hence, while appreciating the cleverness of the house at Done, with its old world air, one

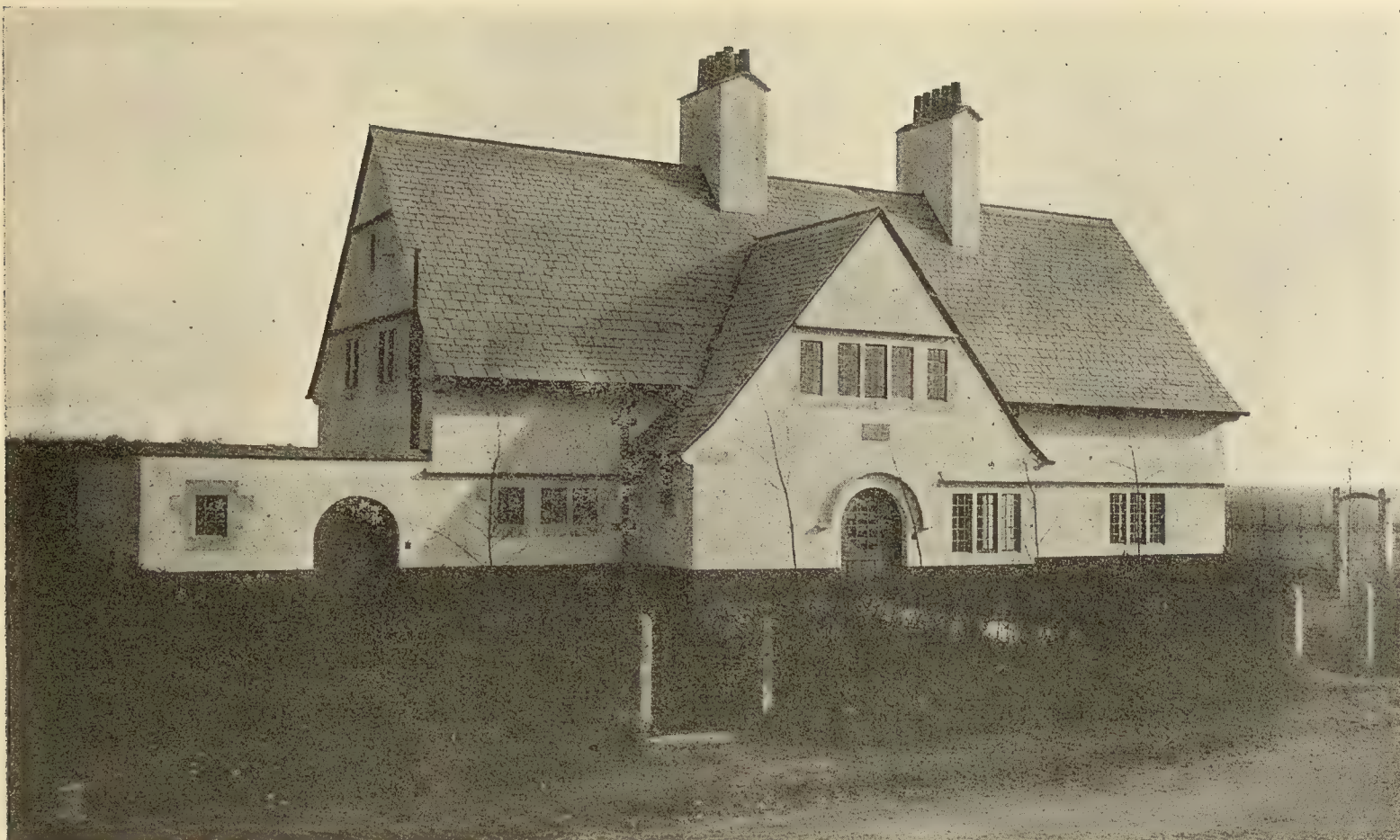


## Interior of House at Up- mead



Mr. Edgar  
Wood,  
F. R. I. B. A.,  
Architect





## EXTERIOR



By  
MR. C. F. A. VOYSEY,  
Architect

would better be content with honest new material and its attendant and temporary crudeness. Of course, qualifications exist for the limited use of old material such as timber (especially oak) for it is known to be well seasoned; it is known to be better from a constructional point of view than the new green wood. It is, however, the writer's firm opinion that the use of old material in new buildings can only find justification when there is sure and material gain in the constructional value of the house.

The house of Upmead, Stafford, is unconventionally original though it may be unnecessarily prolix in a fondness for purely rec-

tangular forms. It is a clever and distinctly architectural design which, however, lacks the unified charm of being designed in the manner of the modern English school. The interior of the same house calls for unstinted praise. Here is an interior which has form, vista, proportion, simplicity and personal character, added to an unusual perception of the restrained demands of the purely decorative finish.

Mr. Morley Horder's prolific originality finds scope in a stamp of domestic work which more nearly attunes to the class of work of his average English contemporary. Both of the exteriors illustrated (Westergate Ealing,

and House at Beaconsfield) as well as the pretty interior, are likely to stand as excellent examples of the traditional style of this period. Externally, rough casted brick walls, tile roofs, and tile hung gables being harmonized into a satisfying architectural whole.

The interior of the house at Walton Heath is very English, very straight and very direct. The partly wood panelled walls, broad open brick fire place, and polished floor owe their inspiration to an earlier phase of work than was met with in Victorian times.

As a pleasant contrast to work of a lighter character, the brick house by Mr. Harold Falkner calls for extended comment—Ameri-

## HOUSE AT HATFIELD, EXTERIOR



By  
MR. ERNEST NEWTON,  
F. R. I. B. A.







## ENTRANCE GABLE



MR. GUY DAWBER  
F. R. I. B. A.  
Architect

colored tiles. Casement windows in the one, differ materially from the heavy double hung or sliding sashes in the other. Unanswering symmetry is contrasted with a building well balanced and picturesque.

In the house at Ealing by Mr. Falkner, external walls are faced with brick and are covered with tiles and rough cast. Dignity and proportion contrast with natural charm and a measure of a more frivolous filling. Finally, a faintly marked and barely recognizable Elizabethian tradition compares with a less expanded application of Georgian forms and ideas.

While these few illustrations do certainly not cover the whole ground of modern English Domestic Architecture, they do at least show that, in England, at the present time there is a majority of designers who can and who continually are building houses of an eminently satisfying architectural nature—houses which are typically English, and which are patriotic exemplars of the average Britisher's love for his home.

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can architects as well as English having felt the certain charm of the early Georgian style, and have tried more or less successfully the adaptation of this style to modern buildings. There is a tremendous difference in style be-

tween this design by Mr. Harold Falkner and the house at Ealing by Mr. Morley Horder.

In the former flat pitched roofs sheltering behind a dignified parapet, contrast in the latter with roofs more steeply pitched in well

## THE PORCH, CONKWELL GRANGE



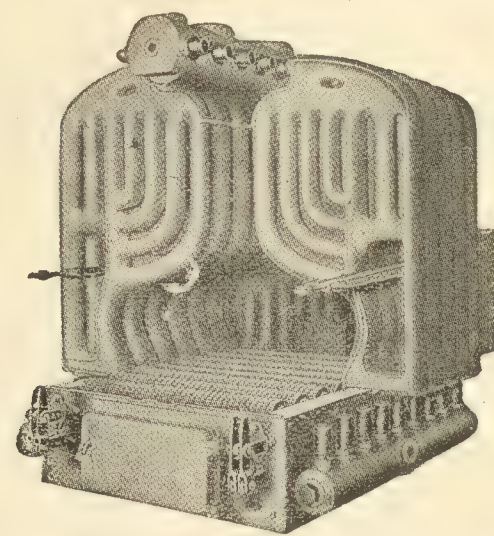
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decrease of 16 per cent. from December last year, of 13 per cent. from January, 1911, and of still larger decreases from earlier periods mentioned. It might be noted that the total at New York City in January, which makes up one-third of the entire aggregate, is 21 per cent. smaller than the total in January last year, though 6 per cent. larger than in December. Other decreases from January, 1911, shown are those of 36.3 per cent. at Chicago, 28 per cent. at Philadelphia and 8 per cent. at Portland, Ore. Among the increases are St. Louis, with 152 per cent. gain over last year; San Francisco, 15.6 per cent. gain, and Los Angeles, 16.7 per cent. gain. In all forty-two out of 100 cities show increases, while fifty-eight show decreases from the like month of last year.

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#### DIRT BANDS ON CEILINGS.

Dirt bands on ceilings are explained in a new way by Dr. W. A. Evans, in his department in the "Chicago Tribune" on "How to Keep Well." In response to an inquiry as to why the ceiling of a room is striped with alternate bands of light and dark, he states: "The plastering is put on over laths. The wooden laths are better conductors of heat than the air spaces between them. Therefore, the plaster over the laths is colder than

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There is no "waste" circulation to "The Guide." Every reader is engaged directly or indirectly in the building field.



EXTERIOR OF HOUSE BY MR. HAROLD FALKNER, ARCHITECT

(Illustrating "Modern English Domestic Architecture")

#### DECREASE IN JANUARY BUILDING.

The building industry does not make a very good showing for January, judging from the preliminary report for that month made to Bradstreet's. Thus, the total expenditures at 100 cities of the United States aggregated only \$36,366,360, as against \$43,491,229 in December, 1911; \$41,869,317 in January, 1911; \$48,154,791 in January, 1910, and \$50,013,109 in January, 1909. There is indicated here a

that over the spaces. The water in the air precipitates at the colder zones and the moisture catches the dirt out of the air. The dirty bands mark the location of the lath, the clean that of the spaces. The space over the radiator shows this more plainly because the hot air from the radiator flies directly to the ceiling, carrying dust and sticking it there." It has heretofore been stated that the spaces between the laths percolated dust and thus became darkened, while the spaces directly under the laths remained white.





HOUSE AT BEACONSFIELD, MR. MORLEY HORDER, F. R. I. B. A., ARCHITECT

(Illustrating "Modern English Domestic Architecture")



HOUSE AT UPMEAD, STAFFORDSHIRE, MR. EDGAR WOOD, F. R. I. B. A. ARCHITECT

(Illustrating "Modern English Domestic Architecture")



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PHILADELPHIA, PA., FEB. 21, 1912.

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### MR. D. KNICKERBACKER BOYD AND THE NEW INSTITUTE COM- MITTEE ON PUBLIC IN- FORMATION.

The American Institute of Architects is to be felicitated upon the wisdom shown in its selection of Mr. D. Knickerbacker Boyd to officiate as Chairman of the new Committee on Public Information organized under a resolution adopted at the recent 45th Annual Convention of the national body held at Washington, D. C. It may be said of Mr. Boyd, without the faintest suggestion of eulogy, that he will bring to the delicate, important and difficult task assigned him a measure of tact, administrative skill, judgment, energy and high-grade executive resource such as is not commonly found united in one personality. To Mr. Boyd, more than to any other single factor in the architectural profession, is the Institute indebted for the propaganda which has resulted in the creation of Public Information Committees as an important feature of Chapter activity. "The Guide" knows something of the tremendous energy Mr. Boyd has expended upon work of the Committee covering this field for Philadelphia Chapter. In a sense father of the idea that architectural information should be given to the public through channels guaranteeing its accuracy and the profession safeguarded thereby against misrepresentation and misconstruction, Mr. Boyd has worked tirelessly and with the most brilliant success to bring about a clearer popular understanding of the dignity, the aspirations and ideals of the architectural calling. Happy in the wisdom which has guided its choice of Mr. Boyd as Chairman, the Institute has been not less happy in its selection of the gentlemen to serve as his associates. In Mr. Glenn Brown and Mr. Frank C. Baldwin the Institute has given Mr. Boyd colleagues, in the important work lying just ahead, whose splendid abilities go far to underwrite the success of the new Committee.

"The Guide" begs to extend its congratulations,—to the American Institute upon having unerringly achieved an instance of "the right man in the right place;" to Philadelphia Chapter in having one of its members thus signally honored, and to both bodies in being so fortunate as to have at hand for a work so vital and far-reaching in its scope and influence a member of the profession so admirably equipped to carry this work to a brilliant and successful conclusion.

### "MODERN ENGLISH DOMESTIC ARCHITECTURE."

The article on "Modern English Domestic Architecture" in this number of "The Guide," text and illustrations, was a feature of a recent number of "The Western Architect." While we are by no means ready to accept the premise of the author, Mr. E. C. Morgan Willmott, that the phase of building work considered is one "in which Englishmen are pre-eminent," we were very glad

indeed to gain the permission of "The Western Architect" to place before our readers a paper so stimulating, original and suggestive in its treatment of a theme pregnant with interest to a considerable body of American practitioners. The illustrations are so uncommonly good that "The Guide" has added four extra pages to the present number in order to admit the inclusion of text and photo reproductions complete.

The article, both as to text and illustrations, is fully covered by copyright and may be used only by special arrangement with "The Western Architect," of whose courtesy we here make fitting acknowledgment.

### A CONCRETE EXAMPLE OF THE VALUE OF A WORKING COM- MITTEE ON PUBLIC IN- FORMATION.

An interesting phase of the lobby of automobile interests in the promotion of the "Lincoln Highway" project is disclosed by a communication sent out by the Chairman of the Committee on Public Information of the Boston Institute of Architects:

"On December 29, 1911, the President of the Boston Society of Architects and the Secretary of the Boston Architectural Club wrote to all the Congressmen from New England advising them that these organizations wished to urge the location of the proposed Lincoln Memorial on the site in Washington on the bank of the Potomac recommended by the National Fine Arts Commission.

"On January 3rd and 4th, however, two New England Senators, to whom these letters were addressed, introduced in Congress petitions purporting to be from the above organizations, but praying instead that the Lincoln Memorial take the form of a memorial highway from Washington to Gettysburg. Such incredible misrepresentation of the facts must have arisen from carelessness or wilful intent to deceive. The affair merits the strictest investigation."

Leaving out of consideration all question of how so gross a misrepresentation of the position of the organizations mentioned could have come about short of actual dishonesty and a desire to mislead, "The Guide" sees in the incident noted one of the strongest arguments possible of citation in favor of the Chapter Committee on Public Information, so long advocated by Mr. D. Knickerbacker Boyd, of Philadelphia Chapter, and now in process of general authorization under Institute auspices. Here is a concrete example of precisely the type of misrepresentation the Committee on Public Information is designed to prevent. In the absence of such a committee vigilant to guard the good name and the attitude of the membership upon issues of large professional moment, the Chapter or society has no redress other than a possible individual protest minor in its influence and necessarily feeble as to volume.



Thanks to a live, working Committee on Public Information, the Boston Architectural Society is able to correct Congressional misapprehension regarding its position without delay and with the most vigorous emphasis. As a result of which it would seem to be up to "two New England Senators" to do some pretty prompt explaining, assuming this to be at all possible in a case so baldly unmitigated and reprehensible.

### "THE QUANTITY SURVEYOR."

**Mr. William Woodburn Potter, of Magaziner & Potter, Believes There is a Good Field Here for the New Profession Governed by Proper Business Methods.**

Editor "Builders' Guide," Perry Building, Philadelphia, Pa.

Dear Sir:

I read with interest your article in a recent issue on "The Quantity Surveyor."

The subject is not entirely a new one to me, and I believe is one well worth considering in our country. I have been informed that it has been in successful operation in Australia for a considerable time. It certainly would be a great boon to the builder and act as a clearing house for all concerned, to say nothing of the saving of labor which the contractors are put to and the expense involved. A small amount of this expense could be set aside to pay a Quantity Surveyor for his services.

It might be interesting to note that the Quantity Surveyor in Australia (where the fee is paid by the owner) is put under bond guaranteeing the exactness and correctness of all quantities as taken by him from the architect's plans and specifications. Any mistakes on the Quantity Surveyor's part are then made good by him. A Quantity Surveyor should go so far as to work with the architect in checking up the plans and specifications by way of ascertaining their completeness so as to cover every item involved in the construction of a building proposition. For this service he should be paid by the architect also, as it would place no additional burden on the architect, but would check any mistakes or oversights made on the architect's part and thereby establish greater confidence between the client and architect, to say nothing of saving the payment by the architect of items overlooked in the plans and specifications, items which he could not call upon the owner to pay without showing up his own oversights.

The architects should not be relieved of writing specifications, these being done as heretofore, the Quantity Surveyor being merely a check on him.

I believe there is a good field for a Quantity Surveyor in this country, and that such a business or profession, conducted under proper business methods, could become well established and become a boon for the contractor, architect and owner.

Very truly yours,

WILLIAM WOODBURN POTTER.

## Architectural Notes.

Announcement is made of the appointment of the Committee on Public Information of the American Institute of Architects, consisting of Mr. D. Knickerbacker Boyd, of Philadelphia, Chairman; Mr. Glenn Brown, of Washington, and Mr. Frank C. Baldwin, of Detroit. The resolution authorizing this committee, unanimously adopted at the recent 45th Annual Convention of the Institute at Washington, contemplates the organization of a Committee on Public Information in each of the thirty-two chapters throughout the country. These chapters are: Atlanta, Baltimore, Boston, Brooklyn, Buffalo, Central New York, Cincinnati, Cleveland, Colorado, Connecticut, Dayton, Illinois, Indiana, Iowa, Kansas City, Louisiana, Louisville, Michigan, Minnesota, New Jersey, New York, Philadelphia, Pittsburgh, Rhode Island, San Francisco, Southern California, Southern Pennsylvania, St. Louis, Washington, Washington State, Worcester and Portland.

A number of these are already provided with Committees on Public Information, formed within the past year or so, and based upon the widely known and very influential committee under this title which for some years has been a notable feature of the work of Philadelphia Chapter, a committee most capably chairmaned during this period by Mr. D. Knickerbacker Boyd. Among the chapters with committees of the kind are:

Boston Chapter—W. H. Kilham, Chairman; William H. Brainerd, Secretary; Robert P. Bellows, Joseph E. Chandler, Louis C. Newhall.

San Francisco Chapter—T. J. Welsh, Charles F. Mau, J. Cather Newsom, William A. Newman.

Philadelphia Chapter—D. Knickerbacker Boyd, Chairman; John T. Windrim, George I. Lovatt, John Molitor.

Southern California and Southern Pennsylvania Chapters, we understand, also have committees covering this important work. Committees on Public Information are to be named by the remaining Chapters just as soon as practicable, and a chain of these bodies formed with a view to uniting them in a movement for the interchange of information pertinent to the profession as well as for the dissemination of information to the press and public.

The original resolution adopted by the Institute is as follows:

Resolved, That the Board of Directors be requested to appoint a Special Committee on Public Information, the duties of which shall include the following:

To keep a record of such published matter as may be of interest to the profession and to send to such publications likely to be interested, information concerning the work of the Institute and of the profession.

To request monthly reports on matters of

interest to the profession from Committees on Public Information of the several Chapters, which Chapter Committees shall be subcommittees for their respective territories of the Institute Committee.

To inform the press of the country in regard to annual conventions of the Institute and the work which the Institute is undertaking and has actually performed. To correct through the press popular misconceptions with regard to the practice of architecture and to rectify erroneous printed statements affecting the profession.

To keep constantly before the public the aims, aspirations and accomplishments of the profession through its organized body, the Institute. \* \* \*

Philadelphia Chapter, A. I. of A., at its regular meeting on the evening of February 13th, adopted the following resolution voicing its opposition to the plan of Councilman Supplee to lease ground owned by the City of Philadelphia fronting the Parkway:

Whereas, The adoption of the Supplee resolution now pending in City Councils will tend to delay or indefinitely postpone the opening to traffic of the Parkway; and

Whereas, Any postponement of the completion of the Parkway will increase the ultimate cost to the city; and

Whereas, The Parkway constitutes a new and important diagonal artery of communication leading direct from the heart of the city to the Park, to West Philadelphia and to a large section of the city north of the Park, for convenience of the residents in those sections and to the enhancement of property values; and

Whereas, The adoption of the Supplee resolution will attract to the center of the city and at the termini of the railroads a class of temporary improvements tending to continue the inferior character of many of the buildings already existing in this section; and

Whereas, The construction of the Parkway as rapidly as the city's finances will permit, together with assurance of the permanency of its lines, will encourage those institutions which have under consideration locations upon it, and will warrant early and definite steps for the completion of their buildings which structures will enhance the distinction of our municipal center and bring together a series of great buildings devoted to the best interests of the community; and

Whereas, The immediate completion of any other structures, such as the Soldiers' and Sailors' Monument, on the axis of the Parkway will give such assurance of the permanency of the official plan; therefore, be it

Resolved, That the Philadelphia Chapter, American Institute of Architects, urges upon Councils the rejection of the Supplee resolution or any modification thereof which contemplates postponing the completion of the Parkway.



## Electric Light and Economy.

Electric Light is a proven economy not only in the place of business but also in the residence. The trouble is that the majority of the older houses were not wired when built and the present tenants hesitate to assume the first cost of an improvement, even though they know that the first cost will be saved many times over because of increased economy.

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## Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

\*\*At the annual meeting of the stockholders of the Federal Terra Cotta Company, held January 29th, 1912, the following were elected directors for the ensuing year: John E. Berwind, Alfred H. Bond, William B. Dinsmore, Stuyvesant Fish, DeForest Grant, Madison Grant, William Manice, Lewis R. Morris, Schuyler Schieffelin, Dwight W. Taylor, Edwin Thorne, and at a subsequent meeting of the directors the following officers were elected: President, DeForest Grant; First Vice-President, Edwin Thorne; Second Vice-President, William Manice; Treasurer, William B. Dinsmore; Secretary and Assistant Treasurer, Dwight W. Taylor.

\*\*Pierce, Butler & Pierce Manufacturing Company, Syracuse, N. Y., has appointed J. B. Bernhard as general manager of manufacture at its plant in Syracuse. Mr. Bernhard was the designer of the Bernhard boiler, now known as the Progress boiler, manufactured by the Thatcher Furnace Company, with whom he was associated for several years.

\*\*Temporary organization of a Massachusetts Chapter of the American Society of Heating and Ventilating Engineers was effected during the society's recent meeting in New York, with the election of the following officers: Temporary president, H. W. Whitten; temporary secretary, David S. Boyden; committee on constitution and by-laws, W. T. Smallmann and Charles Morrison; committee on nomination of officers, A. B. Franklin, J. A. Moore and J. W. H. Myrick. The meeting for permanent organization was to be held in Boston February 8, at the office of Frederick Irving Cooper. Fifteen names were attached to the petition asking for a separate chapter.

\*\*Plans have been made and a site is being sought in Amsterdam for a building to contain nearly two hundred rooms wherein families may each have an individual and separate suite of apartments and may take their meals in a general dining room. There are many flat and apartment houses in Amsterdam, but this project contemplates the first one where the tenant may enjoy the independence of keeping house without the troubles of kitchen, dining room and servants. A dozen families are already promised for the house, which will cost nearly \$400,000. In addition to the general dining room, several smaller ones will be provided, where tenants may entertain guests at dinner, etc. The house will have central heating arrangements, baths, elevators, general telephones on all floors and house telephones in each room, library, reception, drawing and smoking rooms, and a bicycle and automobile garage.

\*\*Many of the stock companies writing sprinkler leakage insurance report that 50 per cent. of their entire year's premiums have already been consumed in the losses during the first weeks of the year, due to the numerous freeze ups and consequent leakages following the long and general cold snap.—'Insurance Press.'

\*\*Judson A. Goodrich has resigned as sales manager for the Central Radiator Company, Lansdale, Pa. Mr. Goodrich has been appointed manager of the Atlantic Radiator Company, of Philadelphia, with offices at 925 Chestnut street.

\*\*The Pennsylvania State Board of Education has passed a rule that all old school buildings, as well as new ones, must conform to the laws regulating school house construction in matters of light, heat, ventilation, cleanliness and water supply. The application of this rule will necessitate reconstruction of many of the old school buildings, especially in rural sections.

\*\*\*'The Merchant Plumber and Fitter' is the title of a new trade journal devoted to plumbing, heating, ventilating, lighting and vacuum cleaning, published in New York semi-monthly by the Merchant Plumbing and Fitting Company. The officers are: President and editor, W. G. McCormick; treasurer, N. McCawley; secretary and manager, W. J. Marshall; publication manager, J. H. Parker. The journal has an attractive appearance, and will no doubt prove of value to the trade.

\*\*The Fowler & Wolfe Manufacturing Co., Philadelphia, Pa., manufacturers of wall radiation, has elected A. S. Moppett as secretary of the company.

\*\*The Chamberlin Metal Weather Strip Company, Detroit, Mich., suffered the loss of its plant in Detroit by fire January 4, which caused a damage of \$250,000. New quarters were secured within two weeks of the fire and the company states that there is no interruption in its business.

\*\*The Bottum Valve Company, Chicago, has been organized with offices at 162 North Dearborn street, to manufacture heat intensifiers for hot water pressure heating systems. Among those interested are George L. Bottum and H. O. Walker.

\*\*The Simpson Manufacturing Company, Homer, Mich., capital \$100,000, is a new corporation formed to manufacture vacuum cleaners and internal combustion engines. Incorporators: Eugene Higgins, Herbert A. Simpson and W. J. McIlwain. A plant is under construction at Homer.

\*\*The Yankee Combination Nozzle Company, Cleveland, O., capital \$10,000, has been organized to manufacture combination





## HOUSE AT DONC



MR. EDGAR WOOD  
F. R. I. B. A.  
Architect

(Illustrating "Modern  
English Domestic  
Architecture.")

sprinkling and spraying nozzles, with offices at 360 Arcade. Incorporators: James H. McConkey, Francis J. French, W. L. Towle, Jr., and others.

\*\*The Crane Company, Chicago, acting for the Crane-Hawley Company, Cincinnati, O., has purchased a site on Broadway, Cincinnati,

between Biedenger alley and Ninth and Eggleston avenues, on the east, on which it will build a new warehouse.

Elbert Hubbard says: "Advertising is the education of the public as to who you are, where you are, and what you have to offer.

Not to advertise is to be nominated for membership in the Down-and-Out Club."

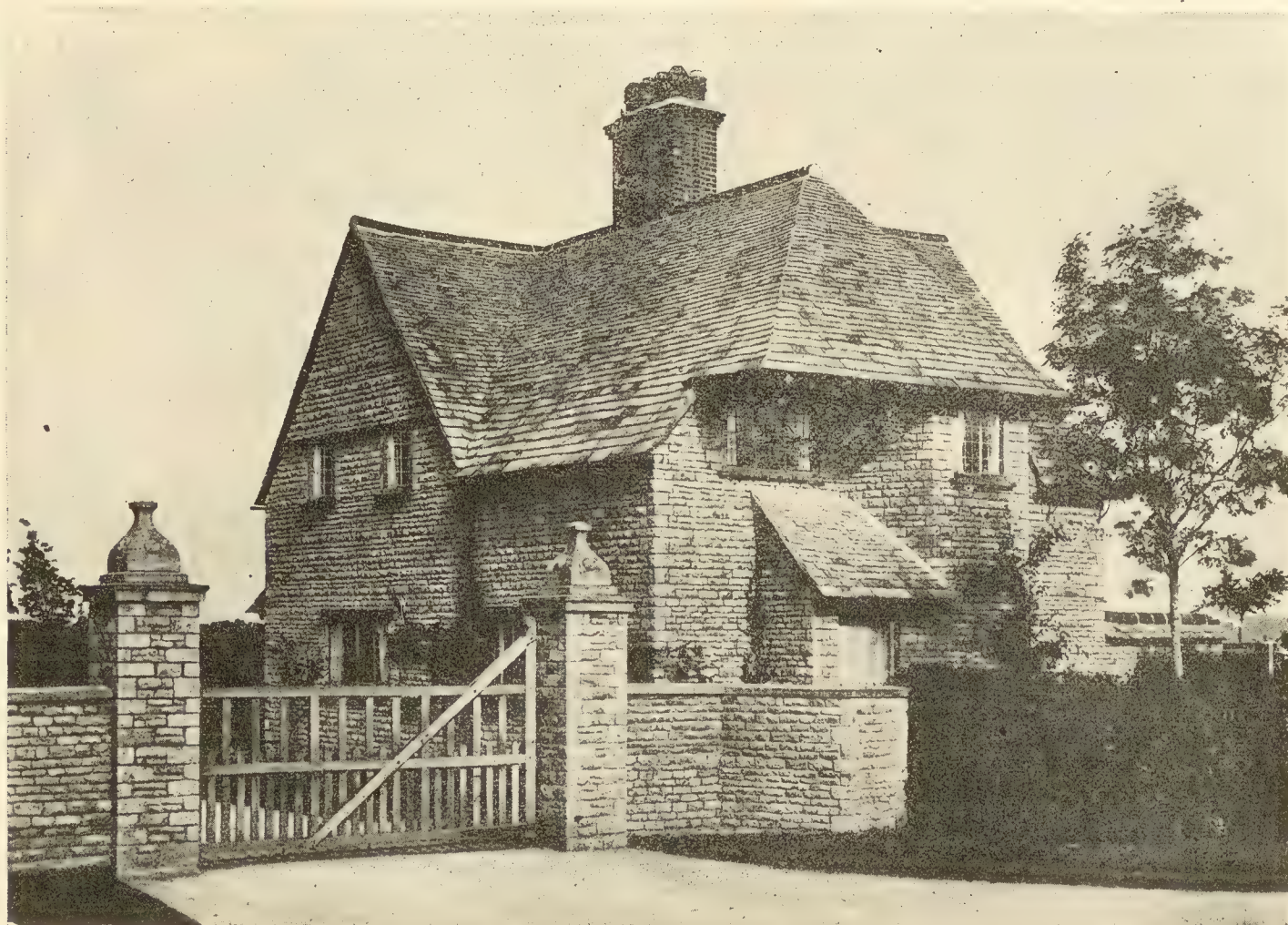
The man that doesn't advertise nowadays is a barnacle. And he ends up like a barnacle by being scraped off.

## LODGE

BY

MR. GUY DAWBER  
F. R. I. B. A.  
Architect

(Illustrating "Modern  
English Domestic  
Architecture.")





## Proposals

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### SEALED PROPOSALS.

Treasury Department,  
Office of the Supervising Architect,  
Washington, D. C., February 16, 1912.

SEALED PROPOSALS will be received in this office until 3 o'clock P. M. on the 30th day of March, 1912, and then opened, for the construction complete (including plumbing, gas piping, heating apparatus, electric conduits and wiring, and lighting fixtures) of the United States post office at Darlington, S. C. The building is one story and base-

ment and has a ground area of approximately 4,600 square feet, nonfireproof construction, stone facing, and tin roof. Drawings and specifications may be obtained from the custodian of site at Darlington, S. C., or at this office, at the discretion of the Supervising Architect.

JAMES KNOX TAYLOR,  
Supervising Architect.

### REAL ESTATE TRANSFERS.

Summary for week ending February 17th, 1912:

Number of transfers..... 526

**The Eighteenth Architectural Exhibition of the Philadelphia Chapter American Institute of Architects and the T Square Club Philadelphia MCMXII April 14th to May 5th Inclusive**

*Under the patronage and in the galleries of THE PENNSYLVANIA ACADEMY of the FINE ARTS Founded 1805 Broad and Cherry Streets, Philadelphia, Pa.*

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Mortgage consideration ..... 260,403.00  
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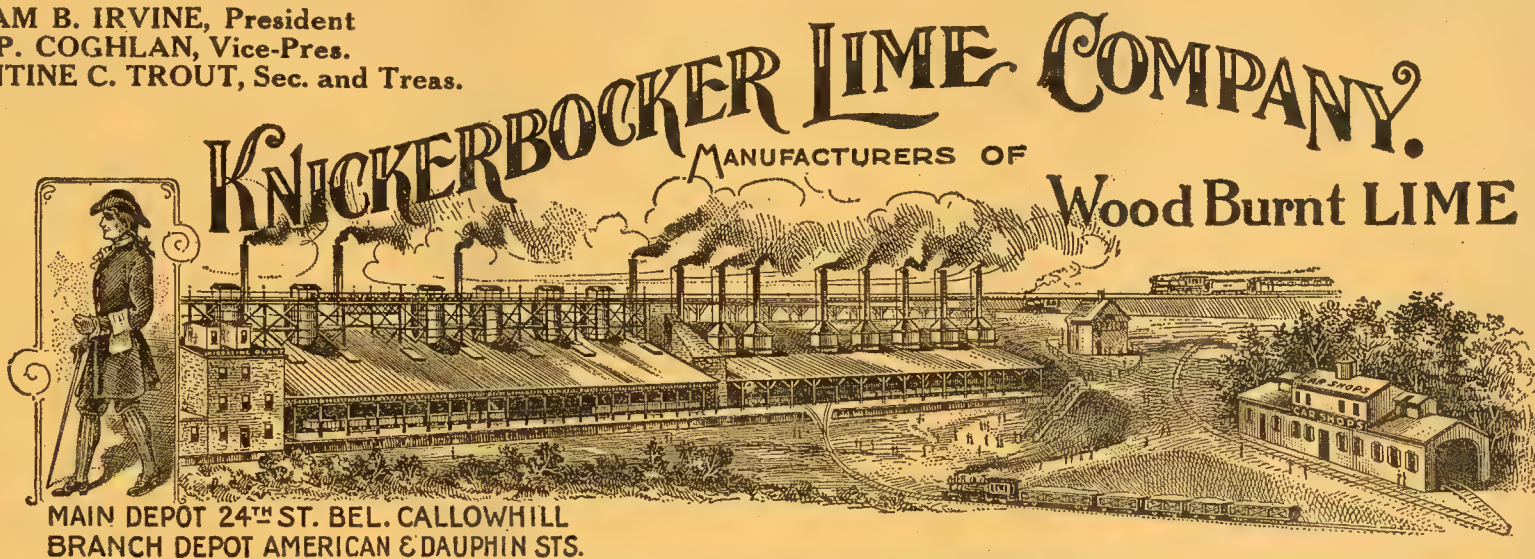
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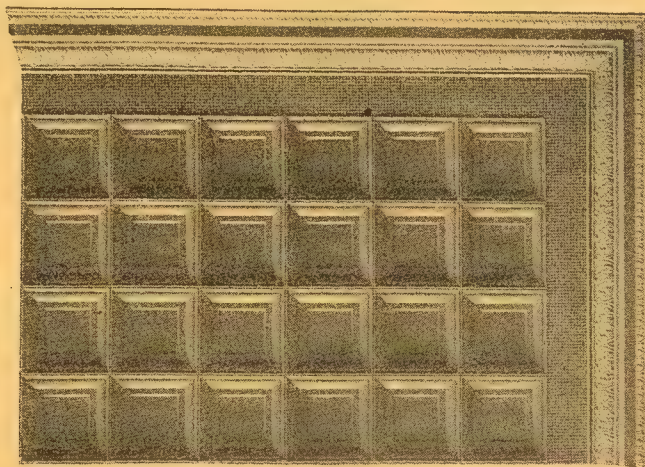
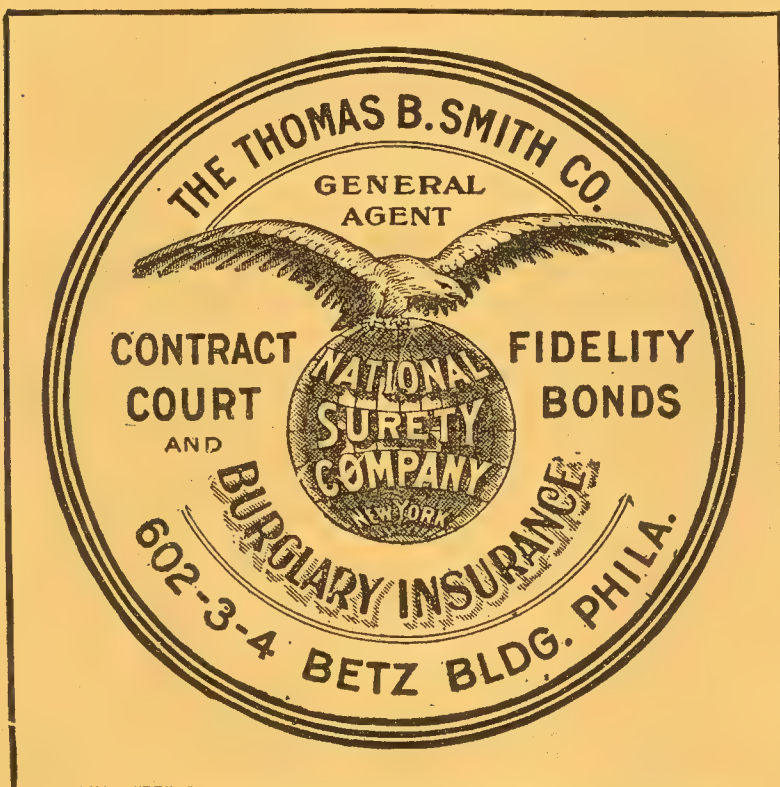
# Builders' Guide

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Vol. XXVII., No. 9. PHILADELPHIA, WEDNESDAY, FEBRUARY 28, 1912.

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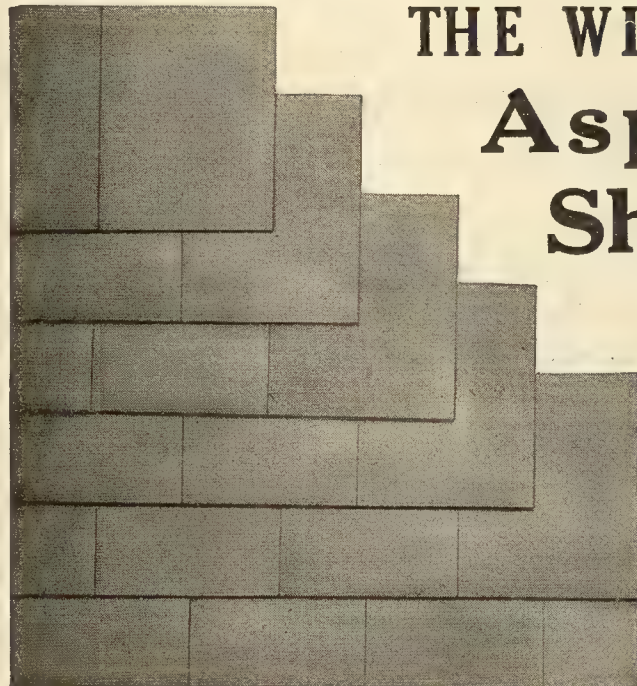
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Containing Official Bulletin of the Master Builders' Exchange.

Vol. XXVII., No. 9.

PHILADELPHIA, WEDNESDAY, FEBRUARY 28, 1912.

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## Construction News

**New Operations; Architects and Owners; Cost Limit; Last Days of Filing Bids; Firms Figuring; Character of Material and Equipment Required; a Budget of Opportunities for Builders, Supply and Specialty Houses.**

**Warehouse**, 250-252 North Third street. Architect, Jacob Naschold, 723 Walnut street. Owners, S. Ervin Diehl & Co., 251 North Third street. Brick and concrete, two stories, 50 by 100 feet, slag roof, electric lighting, steam heating. Architect taking bids, due March 8th. The following are figuring: Joseph Bird & Co., 213 North Eleventh street; Isaac Shoemaker, 24 South Seventeenth street; Doyle & Co., 1519 Sansom street; J. R. Jackson, Perry Bldg.; George I. Sipps, 912 Locust street; J. F. McCloskey, 210 New street.

**Garage**, 1435 Vine street. Architect, Charles E. Oelschlager, Harrison Bldg. Owner, Louis A. Belmont, 2037 North Broad street. Brick, one story, 20 by 75 feet, slag roof, electric light, hot-air heating. Architect has received revised bids.

**Residence**, Chestnut Hill, Philadelphia. Architect, Charles B. Keen, Bailey Bldg. Owner, Henry A. Laughlin, Chestnut avenue, Chestnut Hill. Stone, 2½ stories, 30 by 50 feet, wing, 25 by 30 feet, hot-water heating, electric light, slate roof, hardened floors. Owner ready for bids.

**Residence**, Bethayres, Pa. Architect, Bart Tourison, Land Title Bldg. Owner and Architect, Mrs. Mary A. Keim. Stone, 2½ stories, 30 by 48 feet, slate roof, electric light, hot-water heating, hardwood floors. Architect taking bids, due March 3rd. The following are figuring: Bowers & Logan, 2010 Chancellor street; George & Borst, 277 South Eleventh street.

**Residence**, Cynwyd, Pa. Architects, Druckenmuller, Stackhouse & Williams, Land Title Bldg. Owner, I. Stanley King, Cynwyd, Pa. Stone, 2½ stories, 47 by 44 feet, shingle roof, hot-water heating, electric lighting. Architects taking bids, due March 5th. The following are figuring: J. E. Kearney, 327 North Sixty-third street; A. James, Bala, Pa.; J. P. Thompson, 1414 South Penn Square; E. J. Heddon, 14 South Broad street; John Emery, 1524 Sansom street; A. L. Fretz & Son, 1222 Chancellor street; Mowrer Bros., Merion, Pa.; S. M. Fesmier, Glenside, Pa.; J. B. Flounders, 1329 Arch street.

**Church and Sunday School and Manse**, Fifty-seventh street and Washington avenue. Architect, George E. Savage, Wither-

spoon Bldg. Owners, Ninth Presbyterian Church, Rev. John A. Higgons, 523 South Forty-eighth street. Stone, one story and basement, 150 by 200 feet, slate roof. Plans in progress. Steam heat, electric lighting.

**Residences (2)**, Chestnut Hill, Philadelphia, \$15,000 each. Architect, Frank Seeburger, Pennsylvania Bldg. Owners, William H. Wilson, 1318 Chestnut street. Stone and brick, 2½ stories, slate roof, hot-water heating, electrical lighting, hardwood floors. Architect ready for bids.

**Club House** (alt. and add.), Indian Queen lane, Falls of Schuylkill, Philadelphia. Architect, M. Dunlap, 3414 Ainslie street. Owners, Young Men's Assoc., Pres. T. H. Wilcox, Jr., 3426 Queen lane, Germantown. Brick and stone, one story, 45x44 feet, electric lighting, hot-water heating, slag roof. Architect taking bids, due March 2d. The following are figuring: Henry E. Baton, Tenth and Sansom streets; W. F. Baldwin, 41 South Fifteenth street; Smith Hardican Co., 1606 Cherry street; Herman Voight, 1251 North Twenty-ninth street; Gottlob Steidle, Falls of Schuylkill, Philadelphia; Elmer Cuthbertson, Roxborough avenue, Roxborough, Philadelphia; F. L. Davis, Oak Lane, Philadelphia.

**Power House**, Berkley street, Wayne junction, Philadelphia. Engineer, W. E. S. Dyer, Land Title Bldg. Owner, Defender Dry Plate Co., on premises. Brick, one story. Engineer has received bids.

**Bldg.** (alt. and add.), 1712 Walnut street. Architects, Sauer & Hahn, 1112 Chestnut street. Owner, name withheld. Add. brick, four stories, 15x60 feet, vapor heating, electric light. Architect ready for bids.

**Post Office**, Massillon, Ohio. Architect, James Knox Taylor, Treasury Department, Washington, D. C. Owners, U. S. Government, Treasury Department, Washington, D. C. Stone and brick, one story, 63x80 feet, copper roof, electric lighting, steam heating. Owners taking bids, due March 29th. The following are figuring: J. E. & A. L. Pennock, Land Title Bldg.; Charles McCaul Co., Tenth and Sansom streets.

**Residences (2)**, St. Martin's, Philadelphia, \$10,000 and \$15,000. Architects, McGoodwin & Hawley, 34 South Sixteenth street. Owner, Dr. George Woodward,

North American Bldg. Stone and stucco, 2½ stories, 92x32 feet and 30x45 feet, shingle roof, electric lighting, hot-water heating, hardwood floors. Plans in progress.

**Church**, Llanerch, Pa. Architect, George Nattress, Twelfth and Walnut streets. Owners, Llanerch Presbyterian Church. Stone, one story and basement, 33x66 feet, slate roof, electric lighting, steam heating. Architects taking bids, due February 29th. The following are figuring: E. G. Peard, Llanerch, Pa.; E. A. Lobb, Llanerch, Pa.; Worrell & Waters, Rosemont, Pa.; J. H. Plankinton, Oakmont, Pa.; A. H. Williams & Son, 419 Locust street.

**Residence**, Overbrook, Philadelphia. Architect, John I. Bright, Seventeenth and Chestnut streets. Owners, Wendell & Wright, Sixty-fourth and City avenue. Brick and plaster, 2½ stories, 29x71 feet, electric lighting, steam heating, tile roof, hardwood floors. Architect taking bids, due February 29th. The following are figuring: A. L. Fretz & Son, 1222 Chancellor street; F. A. Havens & Co., 845 North Nineteenth street; H. L. Brown, 1714 Sansom street; J. J. Graham, Bryn Mawr, Pa.; A. James, Bala, Pa.; Metzger & Wells, Heed Bldg.

**Store and Dwelling**, Highland Park, Pa. Architect, F. H. Keisker, Perry Bldg. Owner, Louis Reid, 720 Dickinson street. Brick, 2½ stories, 32x40 feet, tile roof, electric lighting, hot-water heating. Architect taking bids, due March 2d. The following are figuring: P. J. Hurley, 1233 Cherry street; George Hogg, 1634 Sansom street.

**Library**, Harrisburg, Pa. Architect, E. S. Childs, 29 Broadway, N. Y. Owners, Harrisburg Public Library. Stone, one story and basement, 170x40 feet, electric lighting, steam heating, slate roof. Architect taking bids, due March 5th. The following are figuring: H. L. Brown, 1714 Sansom street; J. E. and A. L. Pennock, Land Title Building; Metzger & Wells, Heed Building.

**Hospital** (alt. and add.), Pottsville, Pa. Architects, Harris & Richards, Drexel Bldg. Owners, Pottsville Hospital. Brick, two stories, slate roof, electric lighting, steam heating. Architects taking bids, due March 8th. The following are figuring: George & Borst, 277 South Eleventh street; J. E.



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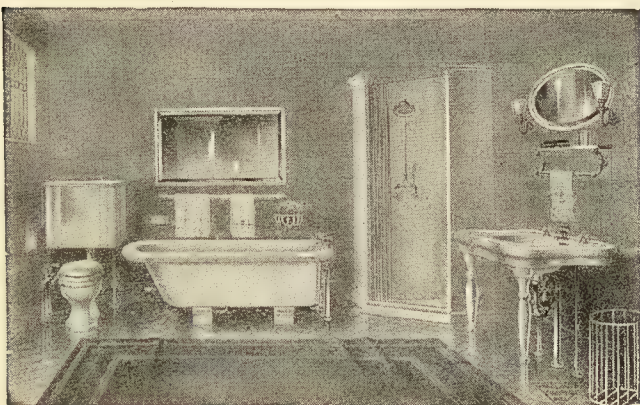
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KEYSTONE-RACE 8-24

& A. L. Pennock, Land Title Bldg.; Appleton & Burrell, 1204 Chancellor street; F. L. Hoover & Sons, Builders' Exchange; F. Elvidge, 5225 Germantown avenue; A. R. Raff, 1635 Thompson street; Clarence Messersmith, Pottsville, Pa.; W. Werthey & Son, Pottsville, Pa.; S. Y. Fredericks, Hazleton, Pa.; Steinbach & Billmeyer, Lewis-ton, Pa.; Gordon Negle, Pottsville, Pa.

**Building (alt. and add.)**, 716 South Fourth street. Architect, B. J. Medoff & Son, 524 Walnut street. Owner, Harry H. Cohen, on premises. Brick, three stories, electric light, tin roof. Architects taking bids due in a few days. The following are figuring: I. Dashner, Fifth and Morris streets; Fred Quote, 1323 Snyder avenue; W. Kirschner, 421 Snyder avenue; S. Schultz, 920 Moyamensing avenue.

**Residence (alt. and add.)**, Upper Lehigh, Pa. Architects, Brockie & Hastings, 329 Chestnut street. Owner's name withheld. Frame, 2½ stories, electric light, steam heat, composition roof. Plans completed. Architects ready for bids.

**Apartment House**, Forty-sixth and Aspen streets. Architect, Herman Miller, 1420 Chestnut street. Owner, Cobb Bros., care of architect. Brick, four stories, 35x95 feet, slag roof, gas lighting, hot water heating. Architect taking bids due February 29. E. J. Kreitzburg, 1345 Arch street, is figuring.

**Residence (alt. and add.)**, 115 South Twentieth street. Architect, Frank Seeburger, Pennsylvania Building. Owner, Mrs. M. M. Jenkins, 1208 Spruce street. Brick, four stories, electric lighting, steam heating, tin roof, hardwood floors. Architect taking bids due February 28. The following are figuring: Thos. Little & Sons, 1619 Eansom street; Stacey Reeves & Son, 1600 Filbert street; Metzger & Wells, Heed Building.

**Dormitory**, Princeton, N. J. Architects, Day Bros. & Klauder, 925 Chestnut street. Owners, University of Princeton, on premises. Stone, four stories, electric lighting, steam heating, slate roof, hardwood floors. Architects taking sub-bids due March 7.

**Library Bldg.**, Charleston, S. C. Architects, McGoodwin & Hawley, 34 South Sixteenth street. Owners, Public Library of Charleston, S. C. Brick, one story and basement, 50x75 feet, slag roof, electric lighting, steam heat, hardwood floors. Plans in progress.

**Boiler House**, West Chester, Pa. Architects, Seymour & Paul A. Davis, 3d, Sixteenth and Chestnut streets. Owners, School Board of West Chester, Pa. Brick and stone, one story, 35x50 feet, slate roof, electric lighting, boilers. Plans in progress.

**Shirt Factory**, Thirteenth street and Walnut avenue, New York City. Architects, Ballinger & Perrot, 1211 Arch street, Owner, Phillips Jones Co., 502 Broadway, New York City. Brick and concrete, six stories, 96x253 feet, slag roof, electric lighting, steam heating. Architects taking bids, due March 2d. The following are figuring: A. Kahn, 103 Park avenue, N. Y.; Ruggles Robinson Co., 331 Madison avenue, N. Y.; J. H. Parker, 315 Fourth avenue, N. Y.; Hedden Const. Co., Metropolitan Tower, N. Y.; I. D. Davis, 518 West 111th street, N. Y.; Chatterton & Warwick, 108 South Eighth street, Brooklyn, N. Y.; Cauldwell & Wingate Co., 384 Fourth avenue, N. Y.; William Henderson, 507 Fifth avenue, N. Y.;

North East Const. Co., Fifth avenue and Twenty-sixth street, N. Y.; Fountain & Choate, 110 East Twenty-third street, N. Y.; Mills & Marvin Co., 1170 Broadway, N. Y.; W. I. Crow Const. Co., 103 Park avenue, N. Y.; Thompson Starrett Co., 511 Wall street, N. Y.; Fuller Const. Co., 111 Broadway, N. Y.; Turner Const. Co., 11 Broadway, N. Y.; Cramp & Co., 25 West Twenty-sixth street; Silberman Schampain, 104 West Forty-second street; Hugh Getty, 359 West Twenty-sixth street, N. Y.; D. Mitchell, 302 W. Fifty-third street.

**Bakery and Stable**, Troy, N. Y. Architect, Charles Balderson, 411 Walnut street. Owner, Charles Freihofer, Troy, N. Y. Brick, two stories, 200x200 feet, slag roof. Plans completed. Architect ready for bids.

**Factory (alt. and add.)**, 413-15 North Orianna street. Architects, Anderson & Haupt, Drexel Bldg. Owner, A. Waxman, on premises. Brick, two stories, 20x30 feet, slag roof, electric light. Owner taking bids.

**Warehouse**, 1219-21 Kenilworth street. Architects, Anderson & Haupt, Drexel Bldg. Owner, William Zuckerman, 710 South Eleventh street. Brick, three stories, 32x65 feet, slag roof, electric light. Owner taking bids.

**Garage**, West Upsal street, Germantown. Architects, Duhring, Okie & Zeighler, Bailey Bldg. Owner, Rufus Scott, on premises. Stone, one story, 25x33 feet, slate roof, electric light. Architects have received bids.

**Convent (alt. and add.)**, Mt. Airy, Philadelphia. Architect, George I. Lovatt, 410 Walnut street. Owner, Holy Cross R. C. Church, Father Toomey. Stone and brick, 2½ stories, 25x70 feet, slate roof, electric lighting, steam heating. Architect taking bids, due March 2d. The following are figuring: E. A. Carroll, 615 Lincoln Drive; W. G. Isles, Lansdale, Pa.; John Dear, 4544 Greenwood street; T. J. Carberry, 51 North Hutchinson street; Gaffney & Co., 130 North Twelfth street; William J. McShane, 417 South Thirteenth street.

**Stores and dwellings (2)**, Kensington and Atlantic avenues. Architect, Charles M. Pierson, 520 Walnut street, Owner, name withheld. Brick, three stories, 20x66 feet, slag roof, electric lighting, steam heating. Architect has received bids.

**Coal Bunkers and Ash Pocket**, Twentieth street and Oregon avenue, Architect, private plans. Owners, Stephen Girard Estate, Stephen Girard Bldg. Concrete and steel. Owners have received bids.

**Factory (add.)**, Fifth and Appletree streets. Architects, Ballinger & Perrot, 1211 Arch streets. Owner, J. Clifton Buck. Lessees, Smith, Kline & French, on premises. Brick, concrete and terra cotta, six stories, 15x46 feet, slag roof, electric lighting, steam heating. Architects have received bids.

**Telephone Exchange**, Trenton, N. J. Architect, J. T. Windrim, Commonwealth Bldg. Owners, Bell Telephone Co., Twelfth and Arch streets. Brick, three stories. Too early for details. Plans in progress.

**Telephone Exchange**, Pottstown, Pa. Architect, J. T. Windrim, Commonwealth Bldg. Owners, Bell Telephone Co., Twelfth and Arch streets. Brick and stone, two stories. Too early for details. Plans in progress.

**Publishing Bldg.**, 210 South Seventh street. Architects, Bunting & Shrigley, 603





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Chestnut street. Owners, Biddle Press and L. T. Biddle, 1010 Cherry street. Brick and concrete, 22x114 feet, slag roof, electric lighting, steam heating. New plans in progress.

**Church**, Darby, Pa. Architects, George Nattress & Son, Twelfth and Walnut streets. Owners, P. E. Church, of Darby. Stone, one story and basement, 29x65 feet, slate roof, electric lighting, steam heating. Plans in progress.

**Residence**, Radnor, Pa. Architect, Chas. A. Platt, 11 East Twenty-fourth street, New York City. Owner, Frank T. Griswold, 333 Chestnut street. Frame and plaster, three stories, 30x74 feet, hardwood floors, electric lighting, steam heating, slate roof. Architect has received bids.

**Library** (alt. and add.), Easton, Pa. Architects, Jarden, Kent & Hill, 3 West Twenty-first street, N. Y. Owners, Easton Public Library Association. Brick and stone, terra cotta, two stories, 56x36 feet, gray front and red hard brick, copper and slag roof, electric lighting, steam heating. Revised plans in progress.

**Saloon Bldg.**, Weccocoe and Ritner streets. Architect, J. A. Roletter, 2006 South Sixteenth street. Owner, J. Hasson, Martin and Weccocoe street. Brick, two stories, 18x45 feet, electric lighting, hot-air heating, slag roof. Owner taking bids.

**Stores and Apts.**, Broad and Fitzwater streets. Architect, Samuel Milligan, 520 Walnut street. Owner, Dr. W. S. Field, Broad and Bainbridge streets. Brick, four stories, electric lighting, steam heating, slag roof. Owner taking bids.

(Alt. and add.), for Apts., Seventeenth and Wharton streets. Architect, C. E. Rahn, 410 Walnut street. Owner, J. H. Cassidy, Seventeenth and Wharton streets. Brick, three stories, slag roof, electric lighting,

steam heating. Revised plans in progress.

**Residence**, Flourtown, Pa. Architect, A. R. Holland, Bailey Bldg. Owner, George A. Sorber, Flourtown, Pa. Brick and stucco, 2½ stories, 20x50 feet, shingle roof, electric lighting, hot-water heating. Plans in progress. Owner will take sub-bids.

**School**, Lindley street, below Ninth and Hutchinson streets. Architect, J. H. Cook, City Hall. Owners, Board of Education of Philadelphia. Brick, three stories, 85x162 feet, electric lighting, slag roof, steam heating. Owners taking bids, due March 5th. The following are figuring: Cramp & Co., Denekla Building; H. H. Wehmyer, 1004 W. Lehigh avenue; Mitchell Bros., 2125 Race street; B. Ketcham's Sons, 1029 Brown street; H. E. Baton, Tenth and Sansom streets; D. Peoples, Fidelity Building.

**Freight House and Office**, Wayne Junction, Pa. Architect, William Hunter, Twelfth and Market streets. Owners, Germantown and Chestnut Hill Branch, P. & R. R. Co. Concrete, brick and steel, one story, 111x30 feet, slag roof, electric lighting. Architect taking bids, due March 7th. The following are figuring: H. E. Baton, Tenth and Sansom sts; Chas. McCaul Co., Tenth and Sansom streets.

**Chapel and Dormitories**, Villa Nova, Pa. Architect, G. F. Dobbins, 7815 Germantown avenue. Owners, Villa Nova College, Villa Nova, Pa. Stone, two and three stories, slate roof, electric lighting, steam heating, to take the place of buildings destroyed by fire. Plans in progress.

**Residence**, Collingswood, N. J. Architect, H. L. Reinhold, Tenth and Sansom streets. Owners, J. P. Olds, care of architect. Brick and frame, two and one-half stories, shingle roof, electric lighting, hot water heating. Plans in progress.

**Lodging House** (alt. and add.), Eighth and

Race streets. Architect, J. Naschold, 728 Walnut str. Owner's name withheld. Brick, four stories, slag roof, electric light, steam heat. Plans in progress.

**Residence**, St. Martins, Pa. Architect, Geo. U. Rehfuß, 1524 Chestnut street. Owner's name withheld. Brick and plaster, two and one-half stories, 60x56 feet, shingle roof, electric lighting, hot air heating. Plans in progress.

**Museum**, Fortieth and Spruce streets, \$500,000. Architect, John T. Windrim, Commonwealth Building. Associate architects, Stewardson & Page, 420 Walnut street. Owners, The Thomas W. Evans Dental Museum. Stone, brick, four stories, 161x242 feet, electric lighting, steam heat, hardwood floors, slate roof. Final plans in progress.

**Farm House** (alt. and add.), Media, Pa. Architects, Magaziner & Potter, 37 S. Fifth street. Owner, Dr. J. H. Gibbon. Frame, two and one-half stories. Architects taking bids, due March 3d. The following are figuring: J. B. Flounders, 1329 Arch street; W. H. Roberts, Grassland, Pa.; S. Thomas, Media, Pa.; J. W. Marrilow, Media, Pa.

### Trenton, N. J.

**School** (add.), Trenton, N. J., \$15,000. Architect, W. W. Slack, Mechanics Bank, Trenton, N. J. Owners, Board of Education, Trenton, N. J. Brick, three stories, 85x87 feet, electric light, steam heat, slag roof. Contract awarded to John Maher, Trenton, N. J.

**Residence**, Haddonfield, N. J., \$4,000. Architect, W. W. Slack, Mechanics Bank Building. Owner, O. P. Eaches, Hightown, N. J. Stone and frame, two and one-half stories, 30x38 feet, slate roof, electric light, hot water heat. Plans in progress.



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**Residence**, Trenton, N. J., \$10,000. Archi-  
tects, Kleman & Fowler, First National Bank  
Building, Trenton, N. J. Owners, William  
Muschart, Trenton, N. J. Brick and stucco,  
two and one-half stories, 30x46 feet, slate  
roof, electric light, hardwood floors, steam  
heat. Plans in progress.

**Residences (12)**, Batty street, Trenton, N.  
J., \$18,000. Architect, Harry A. Hill, 40 E.  
States street, Trenton, N. J. Owner, Henry  
Pftzinger, 734 Batty street, Trenton, N. J.  
Brick, two and one-half stories, 15x42 feet,  
slate roof, gas light. Owners will take bids.  
Plans about completed.

**Restaurant (alt. and add.)**, Hanover and  
Willow streets, Trenton, N. J., \$8,000. Ar-  
chitect, Harry A. Hill, 40 E. Etates street,  
Trenton, N. J. Owner, Fred Gartner, on prem-  
ises. Brick, three stories, slag roof, electric  
light, hot water heat. Plans in progress.  
Owner will take bids.

**Apartment House**, Hilton and Burt streets,  
Trenton, N. J., \$10,000. Architect, W. P.  
Enderbrock, American Mechanics Building,  
Trenton, N. J. Owner, C. F. Adams, Trenton,  
N. J. Brick, three stories, 30x75 feet, electric  
lights, slag roof, steam heat. Plans completed.  
Owner will take bids.

**Residences and Stores (2)**, Ingham avenue,  
Trenton, N. J., \$7,000. Architect, W. B.  
Thines, Commonwealth Building, Trenton,  
N. J. Owner, Harry Siegel, 59 Union street,  
Trenton, N. J. Brick, two and one-half stor-  
ies, 47x50 feet, tin and slate roof. Hot air  
heat. Owner will take sub-bids.

**School (alt. and add.)**, South Amboy, N. J.,  
\$10,000. Architect, W. P. Enderbrock, Ameri-  
can Mechanic Building, Trenton, N. J. Own-  
ers, Sacred Heart Parochial School, on prem-  
ises. Brick and plaster, two stories, 30x46  
feet addition, slag roof, electric light, steam  
heat. Plans about completed.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man  
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(Alt. and add.), to Bldg. for Auction  
Rooms, 910-12 Walnut street. Architect,  
private plans. Owners, Davis & Harvey,  
1112 Walnut street. Brick, two stories, add.  
30x113 feet, slag roof, electric light. Con-  
tract awarded to Pomeroy Const. Co., 1609  
Ranstead street.

**Warehouse** (add.), stable and garage,  
Second and Wildey streets. Architects,  
Ballinger & Perrot, 1211 Arch street. Own-  
ers, William Montgomery & Co., on prem-  
ises. Brick and concrete, 2 stories, 75x43  
feet and 32x35 feet, slag roof, electric light-  
ing, steam heating. Contract awarded to  
Irwin & Leighton, 126 North Twelfth street.

**Police Station**, Fifty-fifth and Pine streets.  
Architect, Carl B. Zilenziger, City Hall.  
Owners, City of Philadelphia, Department  
of Public Safety. Brick and steel, fireproof,  
two stories, 57x84 feet, 59x46 feet, 28x84  
feet, slag roof, electric lighting, steam heat.  
Bids were opened, as follows: John W.  
Emery, 1524 Sansom street, \$86,429; H. E.  
Baton, Tenth and Sansom streets, \$87,730;  
B. P. Evans, Thirteenth and Wallace  
streets, \$87,770; J. G. Doak & Co., Crozer  
Bldg., \$88,940; H. C. Rea Co., 711 North  
Fifteenth street, \$91,987; William R. Dough-  
erty, 1608 Sansom street, \$92,550; J. E. A.  
L. Pennock, \$93,847; A. Whitehead, 1624  
Latimer street, \$94,000; J. Myers & Sons,  
\$94,047; Cramp & Co., \$95,900; Metzger &  
Wells, \$98,800; Wayne Const. Co., \$99,500;  
Ed. Fay & Son, \$99,900; A. Bottoms & Son,  
\$99,918; E. F. Fonder, \$100,500; F. B. Da-  
vis, \$105,411.

**Country Estate**, Media, Pa., \$25,000. Ar-  
chitect, private plans. Owner, H. E. Yar-  
nall, Franklin Bank Bldg. Consists of re-  
modeling present farmhouse for residence,  
garage and stable, tenant's house, roads,  
walks, etc. Contract awarded to James B.  
Flounders, 1329 Arch street.

**Residence** (alt. and add.), 1906 Spruce  
street, \$10,000. Architects, Stewardson &

Page, 320 Walnut street. Owner, Dr. J.  
Norman Henry, 1624 Spruce street. Brick,  
four stories. Contract awarded to F. E.  
Wallace, 1210 Sansom street.

**Garage**, St. Martin's Philadelphia. Archi-  
tects, Duhring, Okie & Zeighler. Bailey  
Bldg. Owner, I. M. Simons, St. Martin's,  
Pa. Stone, one story, 25x25 feet, shingle  
roof, electric light. Contract awarded to  
F. B. Davis, 35 South Seventeenth street.

**Signal Tower**, Belmont Yards, Philadel-  
phia. Architect, William H. Hunter, Read-  
ing Terminal. Owners, Philadelphia &  
Reading Railway Co., Twelfth and Market  
streets. Brick and frame, two stories, 15x26  
feet, slate roof, hot-air heating, electric  
lighting. Contract awarded to Armstrong  
& Latta, Land Title Bldg.

**Office Bldg.** (alt. and add.), 324 Walnut  
street. Architect, private plans. Owners,  
Kahn & Greenberg, 137 South Thirteenth  
street. Maryland Casualty Co., lessees, 311  
Walnut street. Brick, four stories, entire  
new front and alterations to the interior,  
electric lighting, steam heating, slag roof.  
Contract awarded to H. Gill, 2200 German-  
town avenue.

**Factory**, Amber and Dreer streets. Ar-  
chitects, Stuckert & Sloan, Crozer Bldg.  
Owners, Weimer Bros., 2046 Amber street.  
Brick and concrete, two stories and base-  
ment, 50x100 feet, slag roof, electric light-  
ing. Contract awarded to E. E. Hollen-  
back, Fifteenth and Race streets.

**Reforming Bldg.**, Fort Mifflin, Pa. Ar-  
chitects, Bureau of Yards and Docks,  
League Island, Philadelphia. Owners, U.  
S. Government, League Island. Brick and  
concrete, one story, 62x40 feet, slag roof,  
electric lighting. P. J. Hurley, 1233 Cherry  
street, submitted the lowest bid, \$6380.

**Bank Bldg.**, 608 South Second street. Ar-  
chitects, Seymour & Paul A. Davis, 1600  
Chestnut street. Owners, Southwark Na-  
tional Bank, 608 South Second street. Brick



and marble, two stories, 40x106 feet, composition roof, hot-water heating, electric lighting, marble floors. Contract awarded to H. E. Baton, Tenth and Sansom streets.

**Residence (alt and add.),** Southeast corner Broad and Oxford streets, \$12,000. Architect's private plans. Owner, P. E. Wright, Stephen Girard Building. Brick and plaster, two stories, 16x17 feet; add electric lighting, tin and slag roof. Contract awarded to Stacey Reeves & Sons, 1609 Filbert street.

**Residences (2),** Ardmore, Pa. Architect, H. W. Seler, Stephen Girard Building. Owner's name withheld. Stone and brick, 2½ stories, electric light, steam heating. Con-

tract awarded to Stokes Bros., 6723 Musgrave street.

**Residence (alt. and add.),** Malvern, Pa. Architect, C. E. Schermerhorn, 430 Walnut street. Owner, Walter F. Klemm, 104 South Fifth street. Stone, two and one-half stories and stucco, electric lighting, shingle roof. Contract awarded to A. M. Hall, Paoli, Pa.

**Brewery (alt. and add.),** Thirty-second and Master streets. Architect, Otto C. Wolf, Denckla Building. Owner, The Bergner & Engle Brewing Co., on premises. Brick, two stories. Contract awarded to Matthew Schmid, 1308 N. Sixth street.

## Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Wilson & Milbi (O), 4922 North Eleventh street. Cost, \$31,200. (12) 2-story brick dwellings, Rockland and Warwick avenues.

H. C. Johnson (O), 1301 Commonwealth Bldg. H. C. Rea Co. (C), 1029 Wood street. Cost, \$14,000. Residence, three stories, 32x47 feet, Mermaid avenue.

Frank N. Platt (O), 6109 Locust street. Cost, \$31,500. (7) two-story, brick, 19x74 feet, Forty-seventh and Walnut streets.

John Brook (O), 3200 South Broad street. S. D. Myers (C), 927 Jackson street. Cost, \$1400. (1) dwelling, two stories, brick, 16x42 feet, Juniper and George streets.

Fred Rempista (O), 4612 Melrose street. R. Wolf (C), 2317 Somerset street. Cost, \$4000. (2) two stories, residences, 16x43 feet, Tacony and Orthodox streets.

F. W. Storch (O), 1712 Wolf street. J. M. Moffett (C), 605 Pine street. Cost, \$182,400. 138 houses, two stories, 14x38 feet, Thirty-sixth and Taylor streets and Ringgold streets.

Smith Craighead (O), 3018 Susquehanna avenue. Cost, \$2200. (1) dwelling, brick, two stories, 16x42 feet, Fifteenth and Rockland streets. Cost, \$22,000.

M. Dwyer (O), 1611 Snyder avenue. Jno. Ehman (C), 1026 Mountain street. Cost, \$1500. Wagon house, brick, two stories, 18x57 feet, Bancroft and Snyder streets.

Charles Sohn (O), 3057 Cedar street. Cost, \$1800. 1 store and dwelling, brick, two stories, 14x40 feet.

D. Cini (O), 1535 South Juniper street. Cost, \$10,000. Factory, brick, four stories, 30x40 feet, 1126 South Ninth street.

## Alterations and Additions

A. T. Elder (O), 14 South Broad street. F. G. Hirst (C), 1220 North Nineteenth street. Cost, \$600. Dwelling, 1608 Master street.

B. Green (O), 1332 Point Breeze avenue. P. Jacobs (C), 1227 West Gillham street. Cost, \$850. Store and dwelling, 1327 South Twenty-seventh street.

Kahn & Greenberg (O), Thirteenth and Walnut streets. Harry Gill, Jr. (C), 2200 Germantown avenue. Cost, \$3000. Store and office, 324 Chestnut street.

J. Wely (O), 734 East Ontario street. Schopper Bros. (C), 1951 East Stella street. Cost, \$1250. Dwelling, 734 East Ontario street.

Ed. McGrath Estate (O), 4429 Osage avenue. H. B. Boorse (C), 665 North Fifteenth street. Cost, \$350. Dwelling, 2423 Calowhill street.

Otto Eisentol & Bros., 940 Market street. Smith Hardican Co. (C), 1606 Cherry street. Cost, \$2000. Store, 932 Market street.

Felix Isman (O), Mint Arcade Bldg. Ed. Fay & Son (C), 1521 Ranstead street. Cost, \$1000. Store, 1307 Market street.

S. Schlemen (O), 918 Walnut street. M. Yellin (C), 817 North Eighth street. Cost, \$1740. Store and dwelling, Sixth and Parrish streets.

Cincini Squio (O), 1617 South Tenth street. Louis DeMarco (C), 1224 Christian street. Cost, \$500. Dwelling, 1104 Pierce street.

Pennsylvania Co. (O), 517 Chestnut street. H. L. Roberts (C), 1512 Vine street. Cost, \$770. Apartment house, 411 South Broad street.

Annie Walton (O), 2963 Cedar avenue. Acme Tea Co. (C), Fourth and Noble streets. Cost, \$400. Store and dwelling, Cedar and Ann streets.

B. & O. R. R. (O), Twenty-fourth and Chestnut streets. Cost, \$3000. Railroad purposes, Twenty-fourth and Chestnut streets.

Mrs. J. Miller (O), 120 South Thirty-seventh street. Smith Hardican Co. (C), 1606 Cherry street. Cost, \$680. Dwelling, 120 South Thirty-seventh street.

Donaghy & Sob (O), 2417 Spruce street. Alex. Ray (C), 2606 South street. Cost, \$2500. Trestle, Vine street wharf.

J. J. McNight (O), 2002 North Sixteenth street. W. F. Rentchler (C), 2631 Girard avenue. Cost, \$400. Store and dwelling, 1807 West Girard avenue.

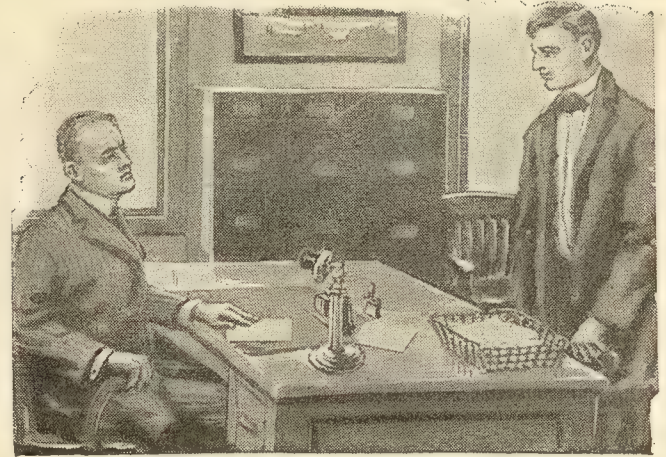
A. F. Moore (O), Third and Race streets. F. G. English (C), 1608 North Carlisle street. Cost, \$1500. Shops, 306 Florest street.

L. Ellberger (O), 1533 North Seventh street. M. Savitzky (C), 237 Catharine street. Cost, \$360. Dwelling, 1533 South Seventh street.

J. Norman Henry (O), 1624 Spruce street. F. E. Wallace (C), 1210 Sansom street. Cost, \$10,000. Dwelling, 1906 Spruce street.

H. J. Aungst (O), 5001 Chestnut street. F. W. Platt (C), 6109 Locust street. Cost, \$400. Dwelling, Fiftieth and Chestnut streets.

James F. Galen (O), Sixty-first and Market streets. Foster & Scull (C), 6033 Market street. Cost, \$4000. Store and dwelling, Sixty-first and market streets.



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"Why is that?"

"Because of the way you treat your men. Your foreman, Gray, there is a friend of mine and he always made fun of our shop across the river, because they didn't provide good lockers for us workers. I used to get home 10 minutes later than he did, and then I'd often have my things stolen. I'll tell you such things count. The men appreciate them."

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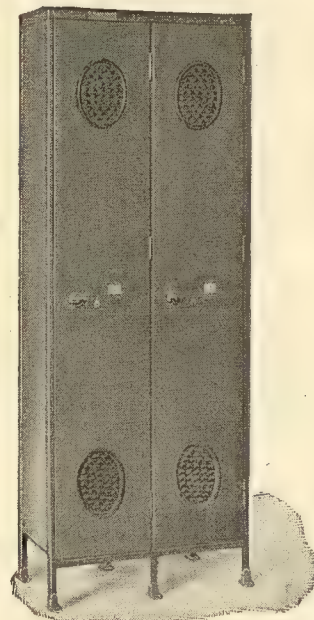
If you count employee's good will an asset—if you are broad enough to see the returns on an investment in satisfying workers, you, too, will install "good" lockers.

You will investigate "Pen-Dar" Lockers. You will weigh the sanitation, the convenience, the protection from fire, the durability of these lockers against any inducement of lower cost on the part of wooden or inferior equipment.

You will have employees pulling for you—not against you, by the interest you take in their welfare through proper housing for their belongings.

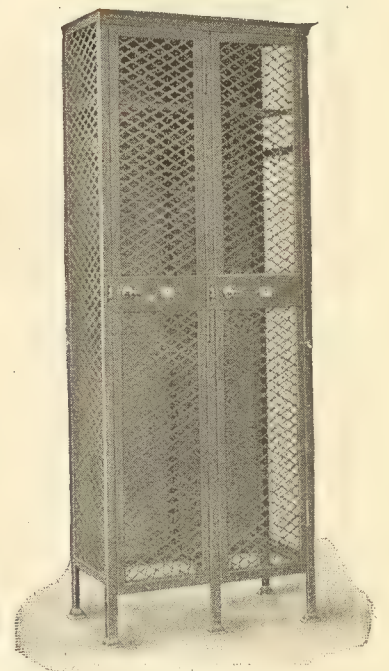
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satisfaction in times of leisure. During the stress and press of business hours there is little opportunity for contemplation and no time for the responsive thought by which alone decorative work can be appreciated and

enjoyed. Public places which are devoted to pleasure, to the refreshment of the inner man, or to the enjoyment of rest, are proper for the display of decorative schemes but such designs as are used are necessarily of

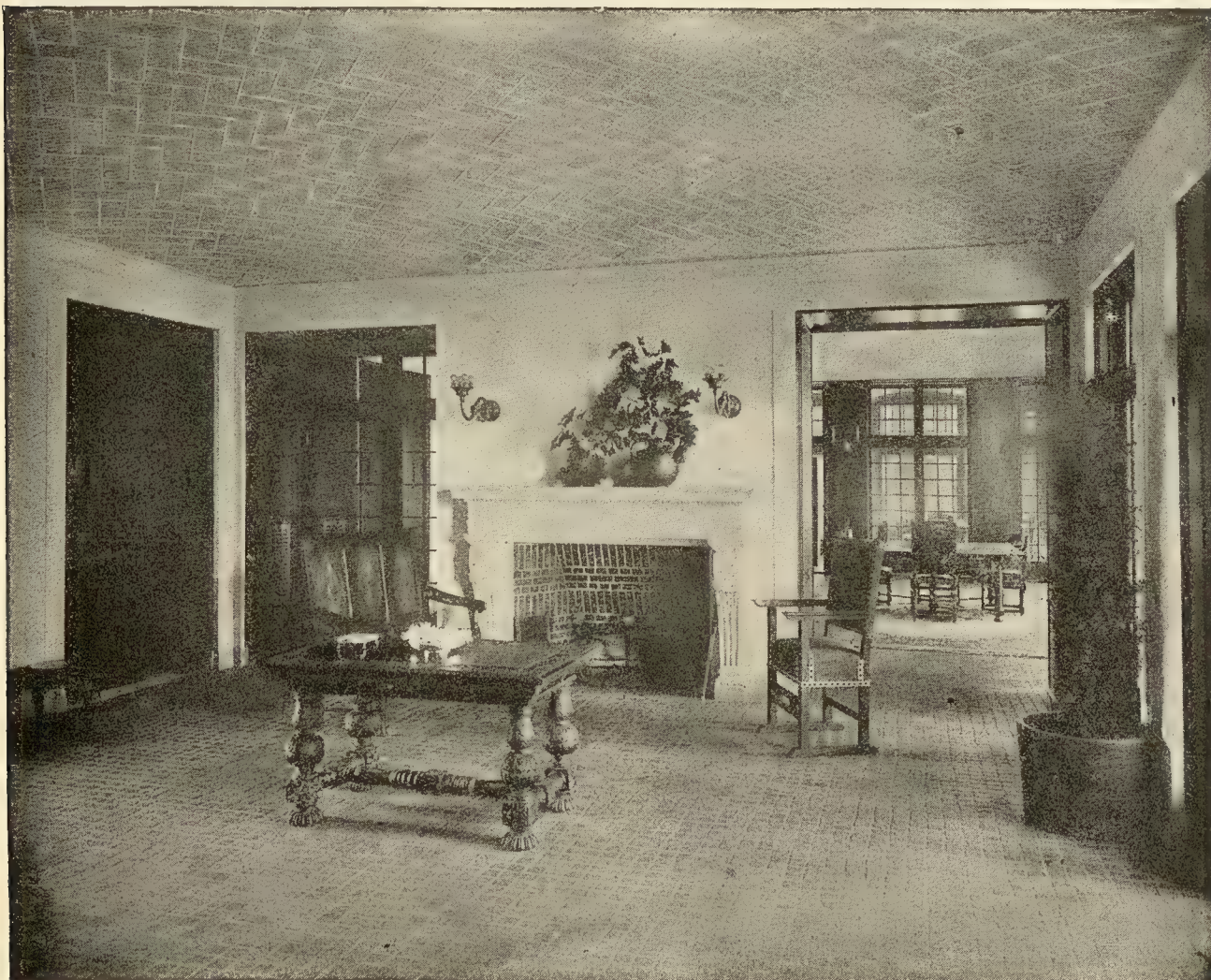


The Hotel Dining Hall—Tile used in a lavish and effective ensemble

a bolder and less intimate character than those which are appropriate to the dwelling.

The decoration of the home and of personal possessions dates from very early times. A glance over the pages of history will show not only at what a primitive stage the development of man's ideas of decora-

tion prevailed, but to what a surprising degree of excellence the work was brought. Not only were household articles decorated, but drawings of good quality were made upon pieces of bone or slate, apparently with the only object of artistic expression. Even when prehistoric man took up his abode in caves



The use of tile in floors and ceilings—a successful Interior

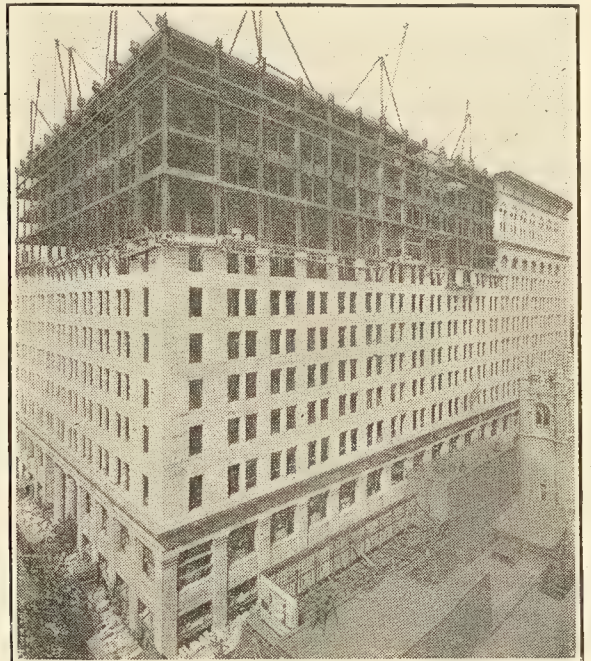


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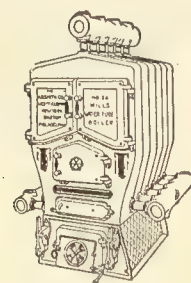
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face quality, and fire effects, such as flowing, flambe, and crystalline glazes. These divisions, of course, overlap in places as any details of structural treatment will. For example, modeling and color are often used together, encaustic tiling partakes both of the form of the tile and the surface design, and self-colored tile can be used in a variety of ways either as a principal or an accessory to the other treatment.

Before proceeding to an examination of these methods and the different ways in which they can be used in a scheme of decoration, it will be well to discuss for a moment the question of tile in general. As a material for interior use and decoration tile has been growing in favor for a long time. Persistent efforts have been made by manufacturers not only to perfect the technique of the product, but to put it upon the market in pleasing and desirable forms. For a while, however, it was generally believed that though tile might be very satisfactory in the bathroom of a private house or the lavatory of a hotel, and might even be used to advantage in the kitchen, there was nothing to commend it for other uses unless, perhaps, it was for the sides of an occasional fireplace. This has all been changed. It is now accepted everywhere that there is no part of a

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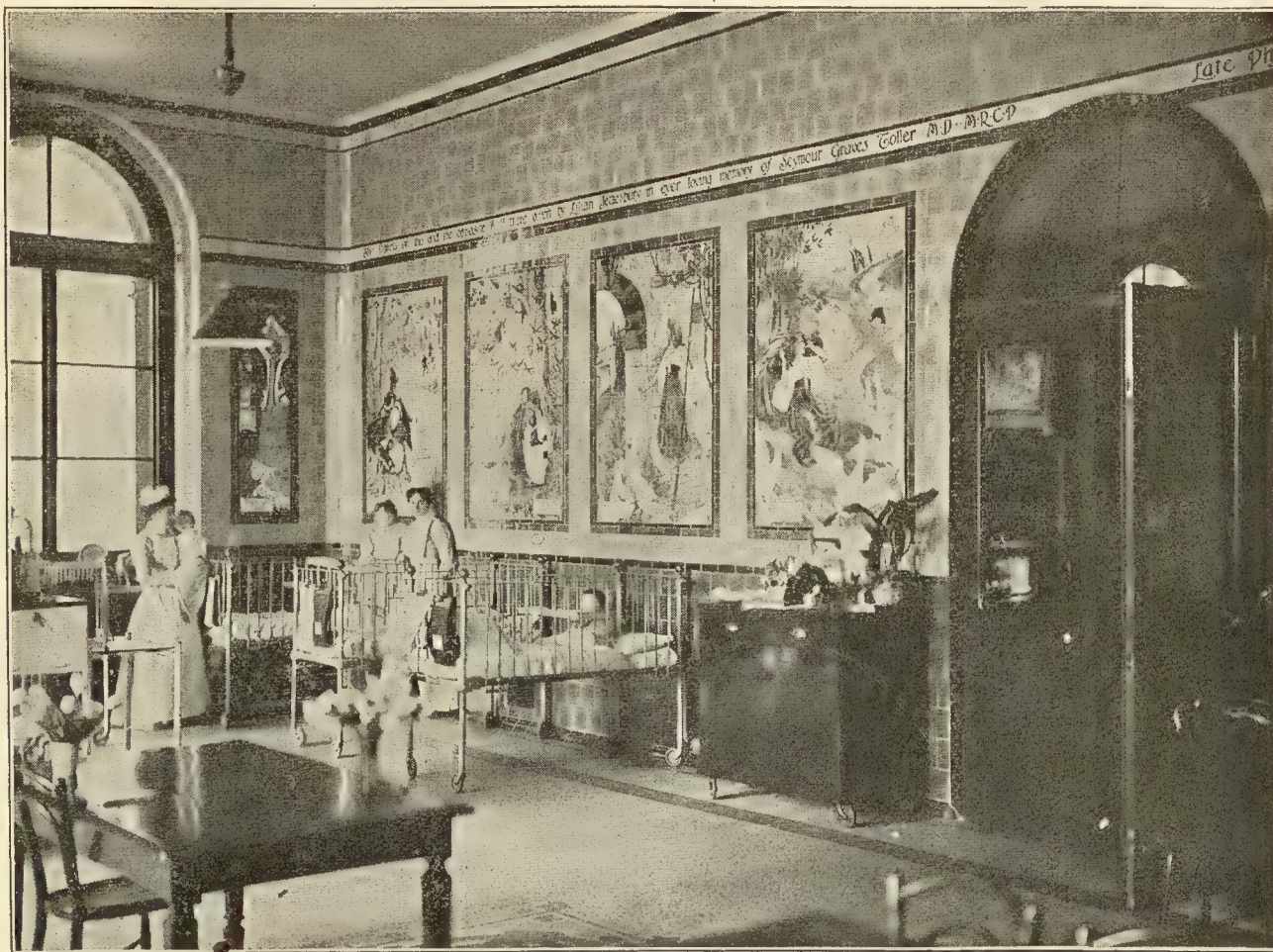
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the attempt was made to decorate the walls by drawings chiseled and scratched in the rock. Nor are these drawings, mainly of well-known animals, found to be entirely crude or barbarous. Some of them in accuracy of perception and power of line even rival the work of modern times. When the cave became insufficient or suitable rocky cliffs were not accessible, man began to build houses. Bricks then made their appearance and the plastic nature of the clay soon suggested modeling. From this it is not a far cry to the decorated interior; first, perhaps, in the wall itself, then as a stucco coating which could be laid at will after the housing problem was settled and ultimately as a tile which combined the advantages of both methods.

Decoration of an interior by means of tile

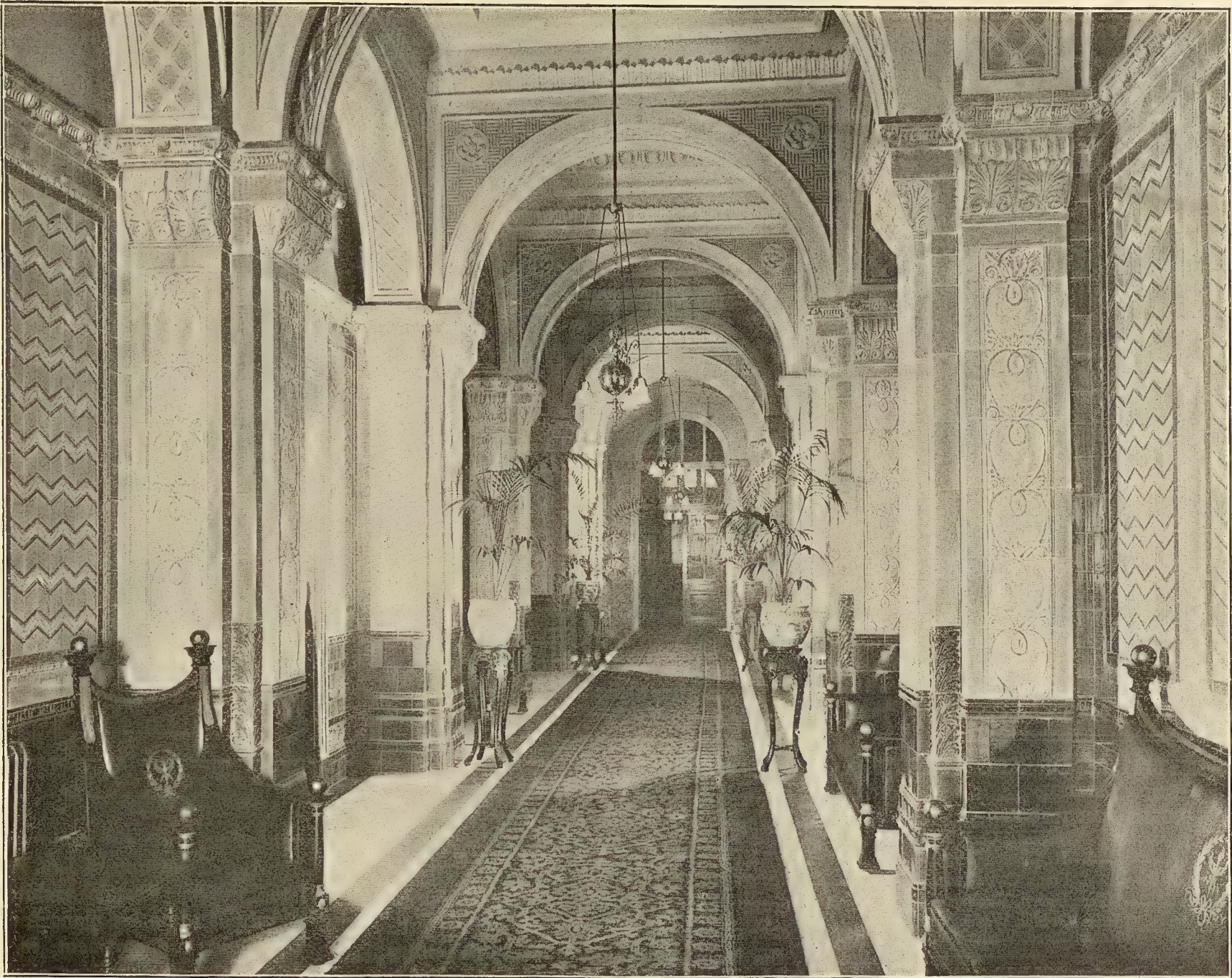


Tile in the Hospital Dormitory. Here the Highest Ideals of Sanitation blend with a most attractive Decorative scheme

is capable of development in three ways—first, form, which includes the shape or spacing of the tile itself, decorative modeling and embossed molding; second, surface decoration, which includes the use of colored clays as inlays or encaustic treatment, designs in color either under or over the glaze, and decorative painting; third, color, which includes not only the plain self color of a tile or scheme of tiling, but also texture or sur-

building or home in which a decoration in tile is not appropriate, or a surface of tile is not the most desirable finish. In fact, it is difficult to launch against the use of tile a criticism which will stand the test of cross-examination. If it be suggested that a decoration should bear the personal note and reveal the sympathetic touch of the artist, if it be thought that the treatment of a wall should be sanitary and easily cleaned, if there





The Decorative Quality of Tile at its Best

be a demand for warm, soft color, or for cool, cleanly brilliance, if, lastly, it be contended that wall and floor decoration should be essentially structural in treatment and proof against fire and decay, there is one material and only one which will answer to all demands and still leave a margin for good measure. That material is tile. Made from clay of any desired color, burned in a fierce heat to a dense and imperishable substance, glazed with an impervious coating of bright or textine surface either revealing while protecting the color of the parent clay or supplying an individual color of its own, tile is unassailable by any candid critic from the point of view of either beauty, cleanliness or durability.

Let it be accepted, then, that tile can be used in any part of a decorative scheme. The designer will, of course, consider first the arrangement as a whole, working out the details as the plans are developed. A large apartment, hall, stairway, banquet hall or hotel lobby offers a good opportunity for bold modeled work. The architectural features will to a great extent govern the application of ornament. A vaulted ceiling can be wrought out in bold lines. Modeling is best resorted to as an embellishment of dividing members or cornices. It is not well to place heavy embossment upon the ceiling

itself. Though the tile may be perfectly secure in such a position the appearance of weight is objectionable. This same weight, however, applied to supporting ribs or columns furnishes an additional strength of line while at the same time beautifying and enriching the structure. A cornice is, in theory, a part of the wall and not of the ceiling. It is, in fact, a bracket which should appear to bear the weight of the roof. Any development of the design, therefore, which will appear to add strength is proper. Embossment is also suitable for the capitals of columns and the base or wainscot of the wall. In the latter position regard should be had to cleanliness for while the surface of the tile is washable a bold relief will hold dust and must eventually look dirty. A molding which overhangs the embossed design will help to guard against this, but it should not be broad enough to look like a shelf.

The spaces between the embossments are the proper places for plain surfaced tile. In the ceiling these may be of simple color, the natural variation in the tint if the individual tile affording a pleasing vibration of tone which cannot be obtained by the use of paint or calomine. In a large apartment the walls may with advantage be broken up into panels. The dividing members are of an embossed design corresponding in character

to the cornice of frieze. The panels may be quite plain, but if the surface be large it should either be laid in encaustic work, or should consist of some interesting subject work in conventional form, and wrought out in flat colors. A tile panel is not a picture. The work is to be structural and decorative rather than pictorial. The walls are a background to the furniture and the people, and, while they should be beautiful, it is most essential that they be restful and harmonious rather than emphatic.

The floors of public places are now so generally laid with tile that it may seem superfluous to speak of them, but a word may be said with regard to the most suitable idea in design and color. Too often a light gray or buff is used as the ground work. This is popular probably because it looks clean after it has been washed, but the light color is not really cleaner than something darker. The marks of muddy feet are at once evident, and under a strong light the effect of the glare is not pleasing. It is better to use a color several shades darker, and to leave the light tones for the lavatory. Mosaic floors are always good, but if a decorative design be introduced it should not be obtrusive. Too often on a light ground dark strong colors are used so that the deco-

(Continued on page 154.)



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PUBLISHED WEEKLY

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PHILADELPHIA, PA., FEB. 28, 1912.

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### SHAPING THE POPULAR TASTE AT ITS FOUNTAIN HEAD.

The value of shaping the artistic inclinations of the student along correct lines at that period of life when the mind is most sensitive to the influence of good teaching has seldom been so clearly and lucidly presented as in a recent address made by Professor Edward Robinson before the students of Columbia University.

"In saying that I believe this should be one of the great branches of university instruction," says Professor Robinson, "please understand I do not mean simply imparting the ability to discuss superficially this painter or that painter, this building or that building, but giving students the meaning of appreciating intelligently the great works of the past, of entering into the spirit in which the men of the great artistic periods of the world's history have expressed their highest aspirations, their most ideal selves, whether in poetry, architecture, sculpture, or painting. When you come into sympathetic touch with men who have left their names in any one of these arts, you get as far away as possible from the ordinary every-day work of life, you begin to know what it means to live, not for the day, or for the year or hour ahead of us, but for the sake of giving full expression to the highest form of idealism that man has ever known. The men who created the great buildings, the great paintings, and the great statues of the world, left to their countries a priceless heritage which in some cases has survived the form of government, the form of thought, and all the other aspects of the civilization in which they lived. They have shown that art, if it be truly great, if it be inspired by an instinct for sublime beauty, can outlast every other form of human activity. Is there not something in this to set us thinking? And it is not best proved by the example of the oldest civilization we know, that of Egypt? Her laws, her form of government, her religion, have long ceased to influence the world. She has left us no great work of literature. The stately procession of her dynasties, so long that our own history seems but an affair of a few minutes by comparison, has passed out of the world forever. Yet in her art she still lives, and her monuments still excite the same admiration that they did when they were created.

Art is not to be regarded as one of the luxuries of life, and it never has been so regarded by the people among whom it has flourished. It would be a great mistake to so regard it. It is the natural expression of an instinct which every man and woman possesses, though not all to an equal degree,—the instinct for beauty,—and one of the great works with which we in museums are occupied today is the cultivation of that instinct among our people, hoping to obtain a full recognition of it as an essential in the make-up of every man and woman."

The Guide subscribes unreservedly to Professor Robinson's views, but is of the

opinion that such a course should in addition be made a part of the instruction in every one of the schools supported for public education.

When one pauses to give the subject the consideration it deserves there would seem to be no good reason why in addition to giving the youth of the country a grasp of the essentials of literacy, the public school should not also imbue it with the ability to recognize good art from bad, whether in painting, in sculpture or in architecture, together with a more or less clear and unclouded understanding of the great basic underlying principles differentiating the one from the other.

Here exists a field in which the energy of the various architectural chapters throughout the country may be employed to most excellent advantage. With such a course five years established an essential feature of public school and university teaching the complaint now heard concerning popular indifference to art and architectural exhibitions may be expected to dwindle to an inaudible echo. No system of education, public or other, can be rated complete, which fails to develop the instinct for beauty inherent in those entrusted to its care.

### ARCHITECTURE AND THE PUBLIC SCHOOLS.

Commenting upon the announcement that the Board of Education of Los Angeles contemplated inviting certain architects of that city to submit tentative plans for organizing an architectural department in the public schools, the London Builder observes:

"Mr. T. G. Jackson, R. A., in a paper on the 'Education of the Public in Architecture,' at the Congress of 1906, truly says that in none of the arts is a correct judgment on the part of the public more necessary than in that of architecture. 'One cannot walk down a street,' he says, 'without being vexed or pleased with the buildings that line it. To have to pass a hideous structure or a row of ugly houses in their daily walk is a penance that the neighbors have to put up with whether they like it or not. . . . For the mental torture which we are thus obliged to suffer no doubt we have in justice and in the first place to thank the architect; but ultimately the blame must rest with his employer, who approved the design and paid for its realization in brick and stone. Had he not been ignorant of the elements of good design in architecture and careless about them we should not have been called upon to suffer.' The late Lord Leighton, addressing the first National Congress for the Advancement of Art, observed: 'You cannot too strongly print this on your minds, that what you demand that you will get, and according to what you accept will be that which is provided for you.' There can be no doubt that if the cardinal principles of good design and construction were instilled into the minds of the youth at our schools they would be able eventually to discriminate be-



tween what is good and what is bad in art; a valuable aid would thus be secured toward the advancement of good architecture, and a higher and broader view obtained of those features that contribute to the upbuilding and development of our towns and cities."

#### THE FORTHCOMING ARCHITECTURAL YEAR BOOK.

"The Year Book" of the Philadelphia Chapter of the American Institute of Architects and the T-Square Club, now in course of preparation, is expected to surpass all pre-

vious records in point of beauty, interest of its illustrations and subject matter. As the result of an advance view of many of the photographs secured for reproduction, the editor of "The Guide" is able to bespeak for the forthcoming annual a treasured place among publications of its kind. Mr. Collier Stevenson, upon whom has devolved much of the labor of selection incidental to the preparation of the volume is to be felicitated upon the rare skill and discernment with which he has met the duties of this exacting position. The new T-Square annual will go far to realize the Keats-ian appellation of "a thing of beauty."

## Architectural Notes.

At the annual meeting of Baltimore (Md.) Chapter of the American Institute of Architects, the following officers were elected for the ensuing year: President, J. B. Noel Wyatt; vice-president, George Worthington; secretary, Thomas C. Kennedy; treasurer, W. W. Emmart; committee on admissions, William M. Ellicott, Douglas H. Thomas, Jr., and Laurence H. Fowler. At the suggestion of Mr. Emmart, a resolution was adopted in connection with the decorating of buildings for the Democratic National Convention.

\* \* \*

The regular monthly meeting of the San Francisco Chapter, A. I. A., was held January 18. The Committee on Civic Improvements submitted a written report giving the reasons advanced by the Special Civic Center Commission for the selection of the City Hall site as the nucleus for the civic center. Mr. Faville commented on the recognition shown in the selection of the president of the Chapter as chairman of this commission. Messrs. Herbert A. Schmidt and Edward C. Hemmings were declared duly elected to Chapter membership. A motion was made by Mr. Mooser that a standing committee be appointed to take up the question of professional charges. On suggestion from the chair, the committee was named "Committee on Practice."

\* \* \*

The Philadelphia Atelier, Philadelphia, Pa., consolidation of University of Pennsylvania Atelier T Square Club and Philadelphia Chapter, A. I. A., Atelier makes the following announcement of lecture courses, season of 1911-12:

Late afternoon classes in mathematics, construction and history of architecture. These subjects are required for admission to work in design in 1912-13, but optional to all students in 1911-12.

Mathematics.—Twenty-five periods on those elements of mathematics most needed in office work and by members preparing for the course in construction. The completion of this course or an equivalent examination will be prerequisite for admission to the Class B Order Problem Group in Design for the season of 1912-13. Instructor, Frederick A. Saford, A. M., Ph. D., assistant professor of

mathematics, University of Pennsylvania. Lectures, Tuesdays and Thursdays, 5.15 to 7 P. M.; February 27th to May 23rd, 1912

Construction—Twenty-five periods on the principles and methods of construction most required to be known in office practice. The completion of this course or an equivalent examination will be prerequisite for admission to the Class B Plan Problem Group in Design for the season of 1912-13. Instructor, George Orange Stedman, assistant in architectural construction, University of Pennsylvania. Lectures, Mondays and Wednesdays, 5.15 to 7 P. M.; February 26th to May 22d, 1912.

History.—Twenty-five periods in a comprehensive outline of ancient, mediaeval and renaissance architecture and on historic ornament. The completion of this course or an equivalent examination will be prerequisite for admission to the Class A Group in Design for the season of 1912-13. Instructor, Alfred H. Gumaer, B. S. in Arch., assistant professor of architectural history, University of Pennsylvania. Lectures, Tuesdays and Fridays, 5.15 to 7 P. M.; February 27th to May 23rd, 1912.

Classes will meet at the rooms of the T Square Club, 1204 Chancellor street. The fee for each course will be \$5.00, payable in advance. For a more complete circular of announcement or for further information apply to Dr. Warren P. Laird, University of Pennsylvania, Philadelphia, or to Walter H. Thomas, 1309 Walnut street, Philadelphia, Pa.

Keying an "ad" and paying a clerk to keep tabs on "inquiries" is good business in a ten-cent mail order proposition, but doesn't work out on anything bigger. We know a wall-board man who got 480 inquiries from a farm journal "ad," sent out a stack of catalogues and booklets, chased follow-up letters out in one-two-three order and has yet to sell a single foot of the board to any of the idle curious who answered his advertising. The same manufacturer got but two inquiries out of an "ad" in a building magazine, but sold both parties.

Boost your home town! And remember there's no better way to do this than to carry space in the home trade paper.

#### RECENT TRADE LITERATURE.

The February Bulletin of the North Western Expanded Metal Company, 37 Van Buren street, Chicago, deal instructively with the subject of expanded metal as used in modern construction. Several views are shown of approved methods of using this material, together with illustrations of finished structures in which "Kno-Burn" expanded metal lath and reinforcing is the material used. Engineers, contractors and builders find this booklet a valuable addition to their files.

\* \* \*

The Stanley Works, New Britain, Conn., are sending out a series of attractive circulars illustrating and describing the Stanley's Screen Door Hardware and Stanley's Corrugated Strap and T-Hinges. The corrugations around the joint of these hinges absolutely prevent binding of the pin, no matter how rusty the hinges may become, a feature that adds strength and wearing qualities to the hinge.

\* \* \*

The Caldwell Manufacturing Company, Rochester, N. Y., have issued a catalogue illustrating and describing their large line of hardware specialties. Architects, contractors and builders will find many new ideas in the building line shown in this catalogue. A copy will be sent upon request.

\* \* \*

An attractive booklet is sent out by the Andrews Heating Company, 2529 University avenue, S. E., Minneapolis, Minn., giving interesting facts regarding their Thermostatic Thermometer, a device which puts in full time of twenty-four hours a day and pays strict attention to business. With this effective attachment on the heating plant trouble regulating the system becomes a thing of the past.

\* \* \*

"The Lehigh" for February depicts "Lee-Hi" giving a lesson in geography to interested thousands, at points where Lehigh Portland is used and known. "Lehigh Pick-Ups From Cementville" will be found interesting as well as entertaining. Write the Lehigh Portland Cement Company, People's Gas Building, Chicago.

\* \* \*

A neat little brochure from Sauer & Hahn, architects and engineers, 1112-14 Chestnut street, Philadelphia, is "The Master Builder," described as "A little magazine on construction published at add intervals." The present and initial number is devoted to a discussion of the arguments adducible in favor of employing a competent architect in work of any important constructive nature. The booklet is illustrated by a number of half-tone reproductions of important buildings planned and designed by Sauer & Hahn.

"The Guide" reaches and is read in every one of the thirty-two Chapters of the American Institute of Architects throughout the United States. It reaches and is read by every architect in Pennsylvania.



## Important to Builders

**Builders and Contractors who are preparing plans for residence building operations should not fail to incorporate in their plans the comprehensive Electric wiring of all buildings to be erected. It is a sure thing that properties Electrically equipped will sell or rent more quickly than unwired houses.**

**We have facts and figures to show you.**



## RUUD Automatic Gas Water Heaters

**The Novelty of Yesterday  
The Necessity of To-Day**

## HILL-CANTON Clothes Drying Cabinets

**The Only Dryer that Ventilates  
and is Guaranteed Not to Turn  
Clothes Yellow.**

**LOW IN PRICE  
ECONOMICAL IN OPERATION**

## BARTLETT & CO., Inc.

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MAKERS OF FURNACES AND  
RANGES SINCE 1843**

If your competitor is cutting in on you, and he is advertising, follow suit. If he isn't advertising get the lead on him by letting the trade know you are still a factor. In either case—advertise.

## THE DECORATIVE QUALITY OF TILE.

(Continued from page 151.)

ration seems to stand out. This is not good. A floor should lie perfectly flat, and the way to produce this effect is to harmonize the colors so that they do not oppose each other. Some fine effects are obtained by using dark red vitrified tile, but the objection is sometimes made that in a wide open space too much light is absorbed. In a grill room or ratskeller, where much of the floor is hidden by furniture, the dark floor cannot be improved upon, but in a larger space where more of the floor is in evidence, some lighter tone is better with the proviso, as already explained, that the surface be not so light as to tire the eye.

Regard should always be had to the purpose of the apartment. In a hotel corridor there are many coming and going. Men sit and talk and smoke, business is transacted and the newspapers are read. The decorations should be in sympathy with this idea. Not in subject necessarily, but in tone or quality. It should be lively rather than sombre and yet sufficiently restful to avoid adding an artificial stimulus to a scene already busy. The banquet hall will be brighter than the lobby for here one expects enlivenment, the grill room, on the other hand, is for a quiet luncheon or a brief relaxation. Darker colors are needed, in fact, the decoration can hardly be too dark. The floor of the warm red encaustic tile, the walls, shoulder high, of plain tile in dull glaze, and the upper surface bright, but not brilliant, and paneled or plain, as the architecture of the room demands.

The office suite is more personal than the public building, but less intimate than the home. The necessity for a fireproof finish is important. This is evident in modern fittings where steel furniture and filing cases are in demand, but these are of no avail if the walls are combustible. A bright glaze, rather dark in color, is suitable for the wainscot, but above this the wall should be much lighter in order to avoid the absorption of too much light. Light is a valuable commodity in the office, and every effort should be made to preserve it, though not at the expense of the nervous system. Business nowadays is so exacting that it is worth while to pay special attention to the surroundings so that unnecessary disturbance may be avoided. The value of tile as a finish is that any desired effect may be secured, and this, too, in a material which is easily kept clean and which cannot be ignited. It is impossible to emphasize the last point too strongly. Evidence is almost daily produced to show that stone walls do not mean a fireproof structure, but that a tiled interior does mean that very thing. Fire nearly always begins within. A case is on record where a fire started in a hotel grill room. Some of the furniture was burned to ashes, but the floor and walls, being of

tile, were, after being cleansed of smoke, as good as new.

It is almost unnecessary to point to the advantages of the use of tile in a hospital. Modern study of the propagation of disease through germs has rendered a washable building indispensable. The floor of mosaic or vitrified ceramics can be made the area of a cheerful decoration. It is joined to the tile walls by a curved base, which prevents any angle at the junction, and therefore removes the possibility of a lurking place for dirt. The upper part of the wall can be treated with decorative panels, which may be daily scrubbed without loss of beauty. The colors can be harmonized to the need, being restful or lively, as desired. In fact, it is difficult to conceive a need or a condition under such circumstances which tile will not supply.

Probably most persons will be more interested in the use of tile in the home than in any public building. Even the busiest man spends a large portion of time in his home, be it a villa in the suburbs or a steam-heated flat. In the former case, he may be the happy owner of a fire-place in which real logs can be burned. In this regard, tile is an emancipation. The andirons are set on the floor which is laid with well-burned brick or thick unglazed tile. In front of this is the hearth. Here the fancy may find full play. The surface may be of small tesserae, vitrified, or of tile glazed in a warm, dull tone, or with a bright glaze to reflect the glow of the flames. Sparks are harmless and even accidental dropping of the fire-irons will cause no damage. The arch over the fire is constructed of shaped tile, and even the mantel shelf or the paneled recess can be made of the same material, so that no danger from over-heating need be feared. The joys of the open fire are unsurpassed. Here is the home centre. Here the family gathers as the evenings become chill. The father lights his pipe and the children roast chestnuts until bedtime calls. And this leads to the rooms devoted to juvenile occupation, the most interesting rooms in the home. Every man was once a child, and in his children he renews his own youth. The father and mother in planning a home will surely consecrate some of the brightest and most attractive rooms to the life of the children and here, again, tile comes to their aid. The nurseries for day or night occupation will be above all things clean. The walls may be wainscoted with tile, a curved base joining the floor. The tile will be embossed in low relief, the subjects being taken from Mother Goose or some other childish lore which never grows old. Above the wainscot is a frieze of animals or boats or children at play, represented in plain bold masses, so as to be easily understood from the level of the child's eye. Or there may be picture panels illustrating the well-known nursery stories. Flanking the fireplace tiles in the old Dutch blue are appropriate, each scene being a story. Children do not ask for novelty. The



old tales are the best because they have satisfied the youth of many generations.

The children safely put to bed, the den is ready for occupation by the elders. Two or three good fellows are expected for bridge. It seems as though in discussing the decorative uses of tile each place is better than the last, for a cosy den can hardly be thought of apart from tile. Of course, there is an open fire. The January winds may howl outside, but they cannot enter. Pipes are lit and comfort reigns. The fair sex is welcome too, as always, but the house mother may prefer to take her especial friends to the boudoir. Lighter and more graceful decorations are in order here. The encasement of the fireplace may be in crystal glazed tile, or in some fanciful and refined combination. The end of the room is in the form of an angle nook or deep recess flanking the fire. Nothing is more conducive to confidential chat than the comfortable high-backed seat.

In these ways and places, tile ministers to comfort, but not every visitor is admitted to the inner shrine. There are occasions when vestibule and reception room present themselves for consideration. Nothing adds more to the dignity of a dwelling than a well proportioned entrance and a spacious hall-way. The visitor receives his first impression as he approaches the house. At the entrance the old-time storm door has given way to a permanent vestibule. The walls are faced with glazed tile of a quiet, attractive color. Embossed tile pilasters flank the inner door and the floor is paved with impervious colored tile. Wet umbrellas and muddy overshoes can do no harm here, and the inner hall is kept both clean and warm.

And so the whole house may be made to pay tribute to the beauty and usefulness of tile. There is no place where it is inappropriate, there are many where it is indispensable, and with such a material, at once clean, beautiful, and permanent, the home-builder may dwell at ease, secure against the ravages of decay, warm amid the blasts of winter, and safe from the alarm of fire.

There is no "waste" circulation to "The Guide." Every reader is engaged directly or have prospective buyers look for your business card in our pages and fail to find it there? When you get ready to change THAT order of business drop us a line. We'll have a representative call to see you.

Your salesman would consider himself fortunate to get **ONE TEN-MINUTE INTERVIEW** with a busy architect **IN THREE MONTHS**. We **REACH** and **TALK DIRECT** to men of this calibre **FIFTY-TWO WEEKS IN THE YEAR!**

The short cut to success in any line is to get your proposition before people likely to be interested in what you have to offer. In the building line "The Builders' Guide" supplies this "shortcut."

## Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

\*\*The Pittsburgh Commission for revision of building laws has prepared an ordinance regulating the use of reinforced concrete in the construction of buildings which will be introduced in Councils. Heretofore the entire responsibility has been left to the discretion of the Bureau of Building Inspection. The new city ordinance has been prepared with great care under the direction of engineers, builders and architects. Joseph A. Weldon, of Weldon & Kelly, plumbing and heating appliance manufacturers; F. A. Russell and F. H. Kindl, architects; D. P. Black, of the Industrial Development Commission; S. N. Murphy and William McDowell, engineers, are members of the commission.

\*\*The Universal Safety Tread Company, of 141 Milk street, Boston, Mass., manufacturers of a well-known type of anti-slipping device frequently seen installed on steps, stairs, platforms, etc., announce a change of address for their New York office. Formerly at 50 Church street, the company's office in New York City is now located in more commodious quarters at 200 Fifth avenue, Madison Square, in charge of Mr. H. F. Stevenson.

\*\*On December 31, 1911, before disbanding, the Marion County, Indiana, Grand Jury made its final report on the Prest-O-Lite building disaster of December 6. The jury placed the blame for the collapse of the building and the consequent loss of life on no person or persons, but said that the fault lay in the inadequate laws of Indianapolis.

\*\*Architecture of the world is promised in drawings and models at the second annual Architectural and Engineering Exhibition to be held at the 71st Regiment Armory, Park avenue and Thirty-first street, New York City, March 25 to 30. Models have already been completed of buildings in Japan, China, Africa, and India; and leading architects have been invited to contribute models of prominent buildings contemplated or in course of construction in this country. Architectural and engineering schools and colleges will also exhibit models or drawings made by their students.

\*\*J. L. Bernard, of the Allentown Portland Cement Company, recently returned from a four weeks' visit in Mexico, and while there secured an order for three hundred thousand barrels of Allentown Portland Cement for the Mexican Northern Power Company, of Santa Rosalie.

\*\*Follansbee Brothers Company, Pittsburgh, have made several changes in their traveling force. The company is now represented in Western Illinois, Iowa and Nebraska by W. R. Messick; in the New England States

by F. A. Barrows, and in Virginia and North and South Carolina by William L. Hunter. Messrs. Messick and Barrows have traveled in the sections mentioned for a number of years and are well known to the trade. Mr. Hunter was for several years stationed at the company's Pittsburgh office as city salesman.

\*\*This year the National Association of Cement Users will hold its annual convention in Kansas City, Mo., March 11-16. As the Kansas City Cement Show will open its doors March 14, continuing till the 21st, the convention and show will in part be held simultaneously, forming a most impressive combination of cement interests.

\*\*The Michigan Sheet Metal Contractors' Association held their regular meeting at the Hotel Pantlind, Grand Rapids, February 21.

\*\*The durability of iron in concrete has been revealed by the recent demolition of an old gasometer in Hamburg, which had been standing nearly sixty years. The pillars of the foundation had been anchored with 60 iron bars, each 8 feet long, immersed in cement, and these were found perfectly preserved and free from all trace of rust. Iron being inoxidizable when surrounded by alkali, it has been suggested that the dampening of the concrete had produced a strongly alkaline reaction.

\*\*On February 1 the interests of the Empire Iron and Steel Company, Niles, Ohio, were absorbed by the Brier Hill Steel Company, Youngstown, Ohio. The new merger involves several of the large independent steel interests of the Mahoning Valley. The Brier Hill Steel Company is incorporated with a capital stock of \$15,000,000, and has opened offices in the Stambaugh Building, Youngstown. W. A. Thomas is the president, R. C. Steese and J. G. Butler, Jr., vice-presidents, and John Stambaugh, treasurer.

\*\*The Missouri Highway Engineers' Association will hold its annual convention in Kansas City, Mo., March 14-21. The improvement of public highways is a field which is becoming constantly more important, not only to the makers of Portland cement and the manufacturers of cement-using machinery, but to the farming community in all sections of the country. There has been a great development recently in the application of concrete to the construction and permanent improvement of roadways.

When you want to find the address of the man who "doesn't believe in advertising," don't look up a directory. Just ask the sheriff.



## Proposals

### Bonds. Improvements. Equipment.

As the Home Office and Headquarters of the Most Important Financial, Railroad, Engineering, Structural, Manufacturing and Equipment Firms in the United States, Pennsylvania offers a Particularly Rich and Productive Field for "Proposal" advertising. "The Builders' Guide" is the Only Medium in this Field.

### SEALED PROPOSALS.

Treasury Department,  
Office of the Supervising Architect,  
Washington, D. C., February 16, 1912.

SEALED PROPOSALS will be received in this office until 3 o'clock P. M. on the 30th day of March, 1912, and then opened, for the construction complete (including plumbing, gas piping, heating apparatus, electric conduits and wiring, and lighting fixtures) of the United States post office at Darlington, S. C. The building is one story and basement and has a ground area of approximately 4,600 square feet, nonfireproof construction, stone facing, and tin roof. Drawings and specifications may be obtained from the custodian of site at Darlington, S. C., or at this office, at the discretion of the Supervising Architect.

JAMES KNOX TAYLOR,  
Supervising Architect.

### TREASURY DEPT.,

Office of Supervising Architect,  
Washington, D. C., Feb. 23, 1912.

SEALED PROPOSALS will be received in this office until 3 o'clock P. M. on the 4th day of April, 1912, and then opened, for the construction, complete (including plumbing, gas piping, heating apparatus, electric conduits and wiring, and interior lighting fixtures), of the United States post office at Steelton, Pa. The building is to be one story and basement with a ground area of approximately 4,700 square feet, fireproof first floor, stone facing and tin

roof. Drawings and specifications may be obtained from the custodian of site at Steelton, Pa., or at this office, at the discretion of the Supervising Architect.

JAMES KNOX TAYLOR,  
Supervising Architect.

### TREASURY DEPARTMENT,

Office of the Supervising Architect,  
Washington, D. C., February 26, 1912.

SEALED PROPOSALS will be received at this office until 3 o'clock P. M. on the 8th day of April, 1912, and then opened, for the construction (including plumbing, gas piping, heating apparatus, electric conduits and wiring, and interior lighting fixtures) of the United States post office at Westerly, R. I. The building is to be approximately 4,400 square feet in ground area, one story and basement, with granite facing to first floor and marble facing above, tile and copper roof; the building is to be fireproof throughout, except the roof. Drawings and specifications may be had from the custodian of the site at Westerly, R. I., or at this office, at the discretion of the Supervising Architect.

JAMES KNOX TAYLOR,  
Supervising Architect.

### REAL ESTATE TRANSFERS.

Summary for week ending February 24th, 1912:

Number of transfers .....	472
Amount of transfers .....	\$2,881,393.32
Cash consideration .....	296,806.32
Mortgage consideration .....	2,584,587.00
Ground rent consideration .....	1,894.25
Which on a 6 per cent. basis amounts to .....	31,570.84

### SPACE FOR A SMILE.

#### Poor Pat.

Pat was hard at work digging a posthole when the boss strolled by. "Well, Pat," said he, noting the progress of the work, "do you think you will be able to get all that dirt back into the hole again?"

Pat looked doubtfully at the pile of dirt, and then at the hole, scratched the back of his head, and after some thought, said: "No, sor, sure I don't think I've dug th' hole deep enough."—Exchange.

\* \* \*

#### Limited Responsibility.

"How is it that you want a raise?" asked the foreman.

"Why, I've been and got married," said the man.

"Well," replied the foreman, "I'm sorry for you, I'm sure, but I can't help you. I'm only responsible for accidents that happen at the factory."—Everybody's.

\* \* \*

A lazy man is just about as useless as a dead one—and besides, he takes up more room.—Elbert Hubbard.

\* \* \*

#### Rail Repartee.

"Rafferty," said Mr. Dolan, "do you think there's anythin' at all in this talk about locomotive engineers runnin' on wan rail?"

"I dunno. If the expense of steel rails is as bad as some people say, mabbe they'll have to."

ONE swallow does not make a summer, and a few cold days do not make a winter. This is winter in earnest, and you will need heat. The windy side of your house can be made as warm as the "leeward" side by the use of Gas Heating Stoves. Use them to supplement your furnace when it is unequal to the task of heating the whole house, and you can defy the cold outside.

**The United Gas  
Improvement Company**

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If you are a Manufacturer of or dealer in building appliances of any kind and you are sure you have a good article

Have it Exhibited at

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They will explain its merits and tell the people where it can be had and you will get the best advertising possible. Better still, make your office with your Exhibit.

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**18 South Seventh Street  
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**SPECIFICATIONS TYPE-  
WRITTEN for ARCHITECTS.  
REASONABLE RATES**

**SPECIALISTS IN THE  
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TEN WORK FOR ADVER-  
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Keystone 'Phone: Bell 'Phone:  
Race 58-64 D. Filbert 52-92.

## MORTGAGES

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# Reference Directory for Architects, Builders and Owners

## Artists' and Architects' Supplies.

F. Weber & Co.,  
1125 Chestnut st., Phila.

## Architectural Iron and Metal Work.

John L. Gaumer Co.,  
22d and Wood sts., Phila.

## Brick (Face, Etc.)

United Brick and Clay Products Co.,  
Morris Bldg., Phila.  
O. W. Ketcham, Builders' Exchange, Phila.

## Brick Renovating.

Adolph Christensen,  
1433 Brown st., Phila.

## Bank and Office Fixtures.

Stephen F. Ketran,  
312 S. 24th st., Phila.

## Blue Prints

Blue Print Co.,  
1516 Chestnut Street, Phila.

## Boilers and Stacks.

Lindemann Engineering Co.,  
Drexel Bldg., Phila.

## Brass and Bronze Work.

John L. Gaumer Co.,  
22d and Wood sts., Phila.

## Cabinet Work.

Stephen F. Ketran, 312 S. 24th st., Phila.

## Cement.

Edison Portland Cement Co.,  
Arcade Bldg., Phila.  
Lesley & Trinkle Co.,  
Penna. Bldg., Phila.  
Samuel H. French & Co.,  
4th and Callowhill sts., Phila.  
Chas. Warner Co.,  
Land Title Bldg., Phila.  
Knickerbocker Lime Co.,  
266 N. 24th St., Phila.

## Cement and Asphalt Paving.

Wm. Krause, 1621 N. 5th St., Phila.

## Cement Colors.

Samuel H. French & Co.,  
4th and Callowhill sts., Phila.

## Cold Water Painting.

William B. Southern,  
N. W. Cor. 12th and Spruce sts., Phila.

## Concrete Engineer.

Albertson F. Knipe,  
1737 Filbert st., Phila.

## Contract Bonds.

Banker's Surety Co.,  
North American Bldg., Phila.  
National Surety Co., Betz Bldg., Phila.  
Clarence G. Hoyt,  
421 Chestnut st., Phila.  
Thomas B. Smith Co., Betz Bldg., Phila.

## Elevators, Freight and Passenger.

Supplee Elevator Co., 3207 Spg. Garden St

## Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,  
10th and Chestnut Sts.

## Elevator (Lubricators.)

American Engr & Mfg. Co.,  
Real Estate Trust Bldg., Phila.

## Engraving, Photo and Line.

Chestnut Street Engraving Co.,  
7th and Chestnut sts., Phila.

## Fire Protection Equipment.

Jas. Boyd & Bros.,  
25th and Wharton sts., Phila.

## Flag Poles (wood and steel).

Bernard McCurdy,  
N. E. cor. 9th and Arch sts., Phila.

## Floors and Floor Finishing.

Fritz & La Rue,  
4800 Parkside ave., Phila.

## Furnishers and Decorators.

Duncan & Duncan, Inc.,  
1724 Chestnut st., Phila.

## Furnaces and Ranges.

Bartlett & Co., 1938 Market st., Phila.  
Weir Stove Co., Henry M. Miller, Agt.,  
40 N. 2nd st., Phila.

## Gas and Gas Appliances.

United Gas Improvement Co.,  
Broad and Arch sts., Phila.

## Graphite Paint.

Jos. Dixon Crucible Co.,  
1020 Arch st., Phila.

## Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

## Heating (Warm Air.)

Makin Heating Co., 6 N. 18th St., Phila.

## Interior Woodwork.

Stephen F. Ketran, 312 S. 24th st., Phila.

## Iron Work (Structural and Ornamental).

W. E. Wark & Co.,  
1737 Filbert st., Phila.

## Mantels and Tile Work.

Charles A. Suddards,  
122 S. 16th st., Phila.

## Metal Ceilings.

Penn. Metal Ceiling and Roofing Co.,  
2200 Hamilton st., Phila.

## Metal Furniture.

Edward Darby & Sons Co.,  
233 Arch St., Phila.

## Marble Mosaic.

Belfi Bros. & Co.,  
20-22 S. 19th st., Phila.  
M. I. Ryan, 1614 Cherry st., Phila.

## Mill Work.

Frank C. Snedaker & Co.,  
9th and Tioga sts., Phila.

## Mortar Colors.

Samuel H. French & Co.,  
4th and Callowhill sts., Phila.

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B. B. Funston, Inc.,  
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## Organs.

Estey Co.,  
Estey Hall, 17th and Walnut sts., Phila.

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Felton, Sibley & Co.,  
136 N. 4th St., Phila.

N. Z. Graves Co.,  
22 S. 3rd st., Phila.

Samuel H. French & Co.,  
4th and Callowhill sts., Phila.

E. E. Nice  
272 S. 2nd St., Phila.

## Parquetry Floors.

Strawbridge & Clothier,  
8th and Market Sts., Phila.

Masters Patent Floor Co.,  
1414 S. Penn Square, Phila.

Fritz & La Rue,  
4800 Parkside ave., Phila.

## Plumbing Fixtures.

Haines, Jones & Cadbury,  
1130 Ridge ave., Phila.

## Radiators.

H. B. Smith Co. 1225 Arch st., Phila.

## Roofing Slate.

C. F. Shellenberger,  
Builders' Exchange, Phila.  
Bangor Slate Co., Inc., Bangor, Pa.

## Roofing Slate (black and colored)

Wm. Moore Co.,  
Real Estate Trust Bldg., Phila.

## Roofing Tile.

C. F. Shellenberger,  
Builders' Exchange, Phila.  
O. W. Ketcham, Builders' Exchange, Phila.

## Real Estate and Mortgages.

Hazlett & Moss, 518 Walnut st., Phila.

## Safes and Vaults.

Stiffel & Freeman,  
723 Chestnut st., Phila.

## Sewer Pipe and Flue Linings.

C. F. Shellenberger,  
Builders' Exchange, Phila.

## Sash Pulleys.

American Pulley Co.,  
4200 Wissahickon ave., Phila.

## Slate—Roofing and Structural.

Wm. Moore Co.,  
Real Estate Trust Bldg., Phila.

## Stair Builders.

Frank C. Snedaker & Co.,  
9th and Tioga Sts., Phila.

## Structural Engineer

Harry C. Eisenbise, Penna. Bldg., Phila.

## Surety Bonds.

Banker's Surety Co.,  
North American Bldg., Phila.  
National Surety Co., Betz Bldg., Phila.  
Clarence G. Hoyt,  
421 Chestnut st., Phila.  
Thomas B. Smith Co., Betz Bldg., Phila.

## Tanks (steel).

Lindemann Engineering Co.,  
Drexel Bldg., Phila.

## Tanks (wood).

E. F. Schlichter Co., 10 S. 18th st., Phila.

## Terra Cotta (Architectural)

O. W. Ketcham, Builders' Exchange, Phila.

## Tile—Floor, Wall and Decorative.

Wm. Moore Co.,  
Real Estate Trust Bldg., Phila.

## Tile and Terrazza Work.

Belfi Bros. & Co., 20-22 S. 19th st., Phila.  
M. I. Ryan, 1614 Cherry st., Phila.

## Vacuum Cleaners.

Tuee Co. of Phila.,  
Builders' Exchange, Phila.

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Sun-Burst Prism Co., 243 S. 10th st., Phila.

## Wall Boards.

Frank C. Gillingham & Sons Co.,  
Norris and Richmond sts., Phila.  
Howard Ketcham,  
3d and Girard ave., Phila.  
Spring Garden Lumber Co., Inc.,  
Broad and Spring Garden Sts., Phila.

## Wall Plaster.

J. B. King & Co., Builders' Exg'e, Phila.

## Water Heaters.

Bartlett & Co., 1938 Market st., Phila.

## Weather Strips (Metal).

Golden Metal Weather Strip Co.,  
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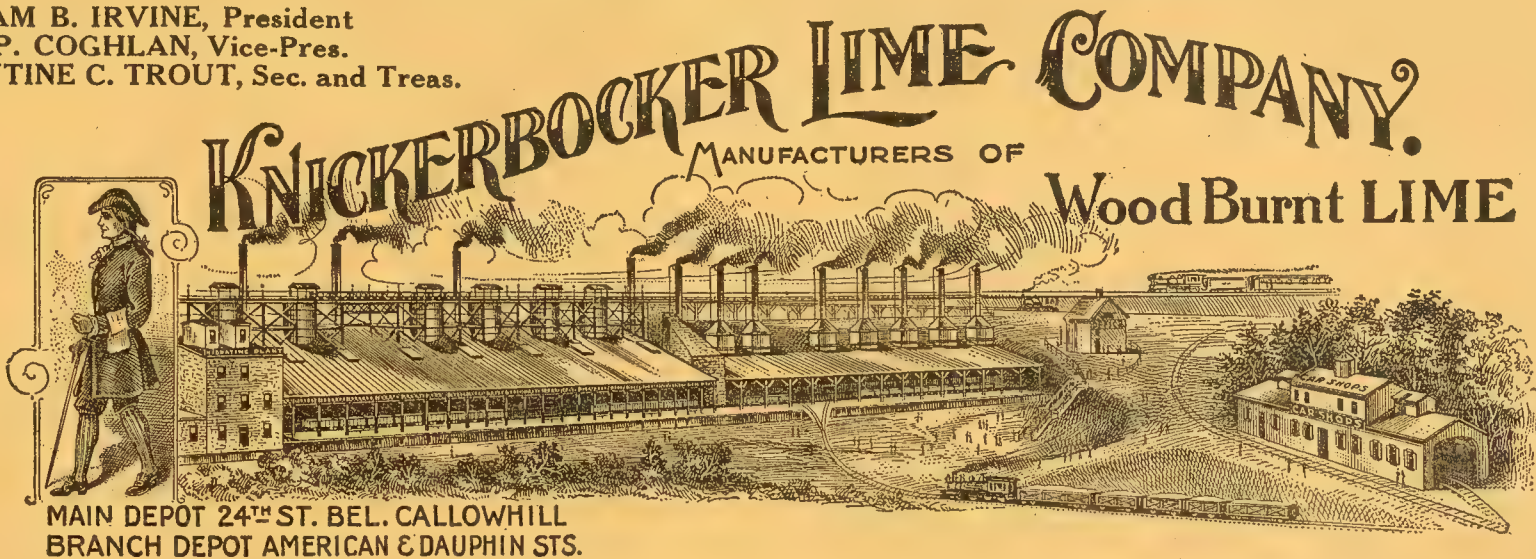
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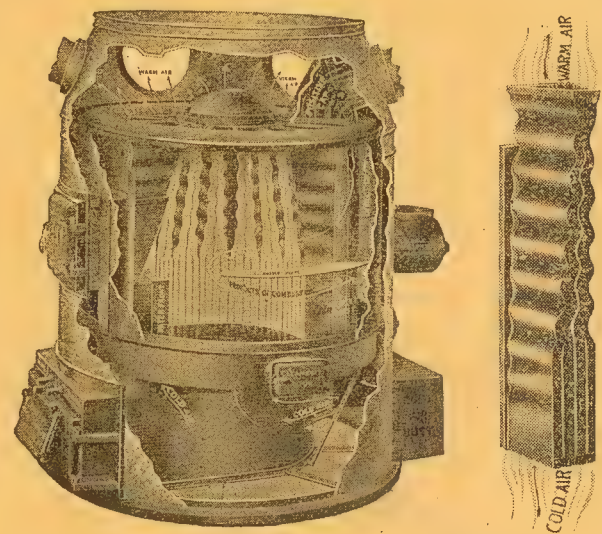
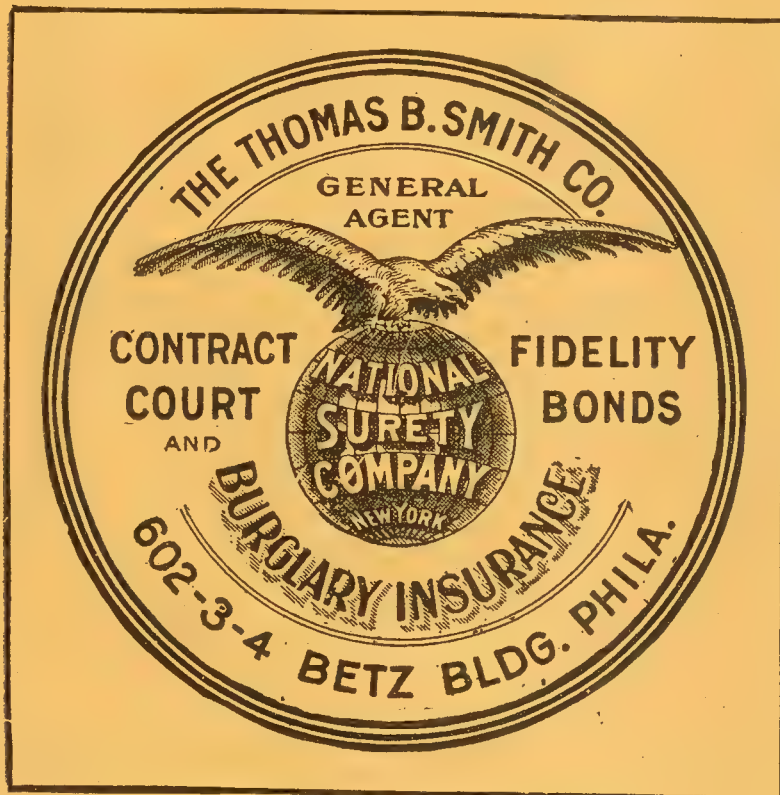
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Vol. XXVII., No. 10.

PHILADELPHIA, WEDNESDAY, MARCH 6, 1912.

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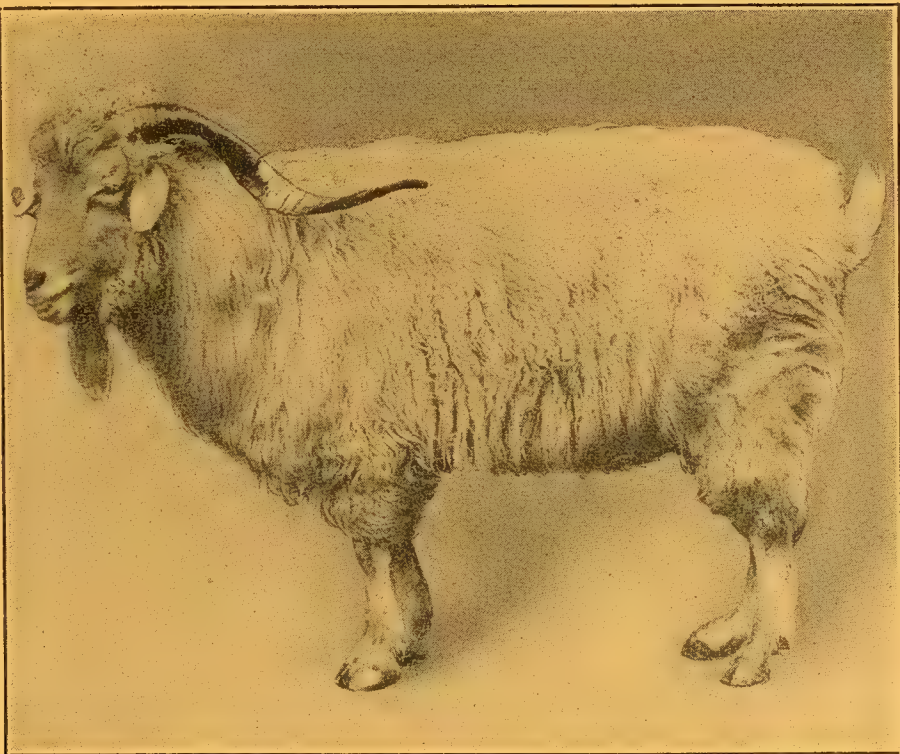
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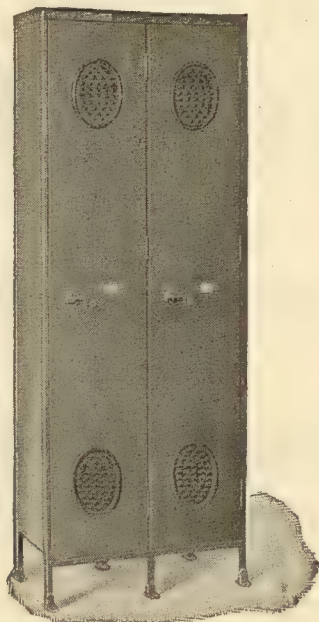
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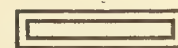
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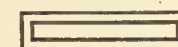


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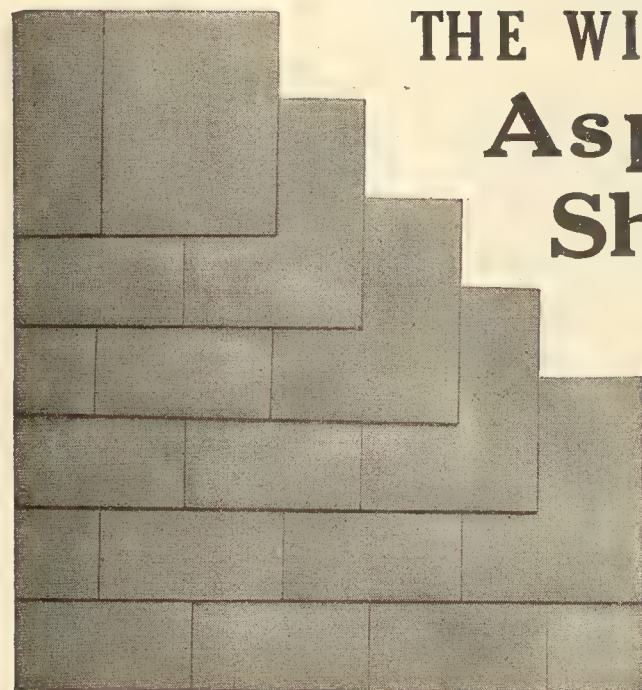
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# Builders' Guide

Vol. XXVII., No. 10.

PHILADELPHIA, WEDNESDAY, MARCH 6, 1912.

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## Construction News

**New Operations; Architects and Owners; Cost Limit; Last Days of Filing Bids; Firms Figuring; Character of Material and Equipment Required; a Budget of Opportunities for Builders, Supply and Specialty Houses.**

**Club House**, Riverton, N. J. Architects, Price & McLanahan, Sixteenth and Walnut streets. Owners, Riverton Yacht Club, Riverton, N. J. Concrete and frame, two stories, 40x60 feet, shingle roof, electric lighting. Architects taking bids, due March 11. The following are figuring: Harry Williams, Burlington, N. J.; J. Kolest, Beverly, N. J.; J. S. Wilson, 1125 Brown street; Boyer & Lewis 307 Market street; Camden, N. J.; L. F. Louden, Riverton, N. J.; S. L. Sherman, Palmyra, N. J.

**Church and Parish House**, York road and Melrose avenue, Ogontz, Phila. Architect, L. V. Boyd, Harrison Building. Owners, St. John's Evangelical Lutheran Church, care of architect. Stone, one story church, 96x54 feet, Parish House 60x34 feet, slate roof, steam heating, or hot water heating, electric lighting, tile roof. Plans in progress.

**Factory (add.)**, Girard avenue and Howard streets. Architect, private plans. Owner, E. J. Spangler, on premises. Brick, three stories, slag roof, electric lighting, steam heat. Owners taking bids, due March 7. The following are figuring: H. E. Baton, Tenth and Sansom streets; William Steele & Sons, 1600 Arch street; E. J. Hedden, 14 South Penn square; Geo. F. Pawling & Co., Broad and Vine streets.

**Building (add.)**, Twelfth and Quarry streets. Architects, William Steele & Sons Co., 1600 Arch street. Owners, Young Building, Twelfth and Quarry streets. Brick, seven stories, 44x107 feet, slag roof, electric lighting, steam heating. Owners have received bids.

**Interior (alt. and add.)**, fifth floor, Lafayette Building, Fifth and Chestnut streets. Architect, J. T. Windrim, Commonwealth Building. Owners, Stephen Girard Estate, Stephen Girard Building. Steam heating, new floors, electrical work. Architect has received bids.

**Armory**, Atlantic City, N. J. Architects, Seymour & Paul A. Davis, 1600 Chestnut street. Owners, Morris Guards, Atlantic City, N. J. Stone, 53x134 feet, slate roof, electric lighting, steam heating. Plans completed. Architects will take bids next week.

**Bank Building (alt. and add.)**, Second and Girard avenue. Geo. U. Rehfuß, 1524 Chestnut street. Owners, Eighth National Bank, on premises. Brick and stucco, one story, 19

x37 feet, slag roof, electric lighting, steam heating. Architect taking bids, due March 7. The following are figuring: William R. Dougherty, 1608 Sansom street; A. R. Raff, 1635 Thompson street; Irwin & Leighton, 126 North Twelfth street.

**Hall**, Villa Nova, Pa. Architect, George F. Dobbins, 8341 Germantown avenue. Owners, Villa Nova College, Villa Nova, Pa. Stone, three stories, 99x47 feet, electric lighting, steam heating, slate roof. Architect taking bids, due March 15. The following are figuring: John McShain, 631 North Seventeenth street; Melody & Keating, Bailey Building; A. R. Raff, 1635 Thompson street; James Dobbins, Chestnut Hill; William R. Dougherty, 1610 Sansom street; P. J. Hurley, 1233 Cherry street; Thomas Reilly, 1616 Thompson street; F. T. Maguire, Wayne, Pa.

**Apartments (25)**, Forty-seventh and Forty-ninth and Sansom streets. Architect, F. G. Caldwell, Stephen Girard Building. Owner, J. C. Milligan, Land Title Building. Brick, two stories, 20x80 feet, slag roof, electric light, steam heat. Owners taking sub-bids.

**Convent and Chapel (add.)**, Reading, Pa. Architect, L. H. Giele, New York. Owners, Bernardine Sisters of Reading. Brick, three stories, 47x147 feet, electric light, slag roof, steam heating. Architect taking bids, due March 12. John McShain, 631 North Seventeenth street, is figuring.

**Residence**, Overbrook, Phila., \$25,000. Architect, private plans. Owner, H. H. Pakradooni, 236 Chestnut street. Stone, three stories, hardwood floors, electric light, hot water heat. Plans in progress. Builder, Milton Young, Overbrook, Pa., will take sub-bids.

**Residence**, Overbrook, Pa., \$15,000. Architect, T. H. Atherton, Jr., Wilkes Barre, Pa. Owner, Logan MacCoy, Real Estate Trust Building. Stone, two and one-half stories, slag roof, electric light, hot water heat. Plans in progress. Will be ready for bids in two weeks.

**Residence**, Spring Lake, N. J. Architect, private plans. Owner, Anna T. Wilson, Spring Lake, N. J. Brick and plaster, two stories, 26x47 feet, shingle roof, electric lighting, hardwood floors.

**Residence and Stores (2)**, Atlantic City,

N. J. Architect, J. R. Ogden, Bartlett Building, Atlantic City. Owner, I Blumberg, Atlantic City, N. J. Brick, three stories, 48x50 feet, slag roof, electric light, hardwood floors. Architect taking bids, due March 7. Stacey Reeves & Sons, 1609 Filbert street, are figuring.

**Theatre**, Broad and Erie avenue. Architect's name withheld. Owner, George F. & Walter Stuempfig, Pulaski and Hansberry streets. Brick and terra cotta, 175x200 feet, slag roof, electric lighting, steam heating. Plans in progress. Owners to take bids in about three weeks.

**Hospital (alt. and add.)**, Fort Monroe, Pa. Architect, private plans. Owners, U. S. Government, Washington, D. C. Brick, three stories, 57x46 feet, hot water heating, electric lighting, slate and tin roofs. Owners taking revised bids, due March 8. H. E. Brown, 1714 Sansom street, is figuring.

**Loft Building**, Elizabeth, N. J. Architect, W. C. Layman, Newark, N. J. Owners, Goretke-Kirsch Co., Elizabeth, N. J. Brick, six stories, 133x82 feet, electric lighting, steam heating, slag roof. Architect taking bids, due March 14. Metzger & Wells, Heed Building, are figuring.

**Stable (add.)**, 4845 Chestnut street. Architect, H. G. Hammer, 803 North Seventeenth street. Brick, two stories, 28x35 feet, slag roof. Architect has received bids.

**Residence**, Bala, Pa. Architect, Frank Seeburger, Pennsylvania Building. Owner, Thos. F. Reilly, Bala, Pa. Stone and frame, two and one-half stories, 38x54 feet, shingle roof, hotwater heating, electric light, hardwood floors. Owner is ready for sub-bids.

**Houses (6)**, Allentown, Pa. Architect, E. Allen Wilson, 1208 Chestnut street. Owners, Messrs. Kummery & Rutterwick, Allentown, Pa. Brick, two stories, 16x45 feet, slag roof, electric light. Plans completed. Owners to take bids.

**Summer House and Pergola**, Villa Nova, Pa. Architects, Zantzing & Borie, Fifteenth and Walnut streets. Owner, George McFadden, Villa Nova, Pa. Stone, frame and concrete, one story, slag roof. Architects have received bids.

**Stable and Coal Pocket**, Tenth and Diamond streets. Architects, Ballinger & Perrot,



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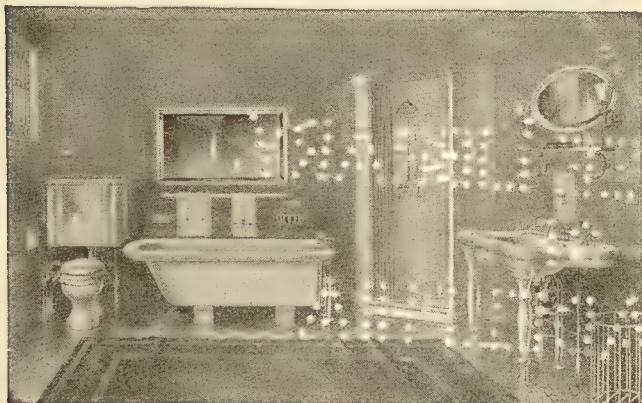
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1211 Arch street. Owners, Fretz Realty Co.,  
1015 Diamond street. Brick and concrete,  
three stories, 32x139, slag roof, electric light-  
ing, steam heating. Plans completed. Archi-  
tects ready for bids.

Garage, Ogontz, Phila. Architects, Bailey  
& Bassett, 421 Walnut street. Owner, Henry  
M. Watts, Ogontz, Phila. Brick and plaster,  
one and one-half stories, 25x38 feet, tin roof,  
electric lighting, steam heating. Architects  
have received bids.

Cottage, Venntor, N. J. Architect, C. I.  
Hillman, Provident Building. Owner's name  
withheld. Brick, two and one-half stories,  
47x24 feet, slate roof, gas light, hot water  
heating, hardwood floors. Architect has re-  
ceived bids.

School, Ashland, Pa. Architect, Henry Da-  
git, 411 Walnut street. Owners, St. Joseph's  
Parochial School, Ashland, Pa. Brick, two  
stories, 55x100 feet, slate roof, steam heat,  
electric lighting. Plans in progress.

Residence (alt. and add.), Gladwyn, Pa.  
Architects, Mills & Van Kirk, Harrison Build-  
ing. Owner, Dr. S. D. W. Ludlm, Gladwyn,  
Pa. Stone, two and one-half stories, electric  
lighting, steam heat, slag roof. Plans in  
progress.

Residence (alt. and add.), Sumac street,  
Wissahickon, Philadelphia. Architect, H.  
Miller, Crozer Building. Owner, Rev. G. F.  
Neilson, care of architect. Stone, two and  
one-half stories, hardwood floors, tile roof,  
electric light. Plans in progress.

School, Lindley street, below Ninth and  
Hutchinson streets. Architect, J. H. Cook,  
City Hall. Owners, Board of Education of  
Philadelphia. Brick, three stories, 35x162  
feet, electric lighting, slag roof, steam heat-  
ing. Owners have received bids.

Dwellings (2), 51 and 53 West Willow  
Grove avenue. Architect, private plans.  
Owners, Carl Helmetag, 1011 Chestnut street.  
Brick and half timber, two and one-half  
stories, 37x49 feet, electric lighting, shingle  
roof, steam heating. Owner has received bids.

Apartments (21), Fifty-sixth and Spring-  
field avenue. Architect, E. Allen Wilson,  
1208 Chestnut street. Owner, J. K. Marshall,  
8 South Fifty-second street. Brick, two story,  
16x63 feet, slag roof, electric light, steam  
heat. Plans completed. Owner ready for  
bids.

Freight House and Office, Wayne Junction,  
Pa. Architect, William Hunter, Reading Ter-  
minal. Owners, Germantown and Chestnut  
Hill Branch, P. & R. R. Co. Concrete, brick,  
and steel, one story, 111x30 feet, slag roof,  
electric lighting. Architect taking bids, due  
March 7. The following are figuring in addi-  
tion to those previously reported: Irwin &  
Leighton, 126 North Twelfth street; T. C.  
Trafford, 1613 Sansom street; J. E. & A. L.  
Pennock, Land Title Building; Armstrong &  
Latta, Land Title Building; George Hogg,  
1654 Sansom street; Doak & Co., Crozer Build-  
ing; F. A. Havens & Co., 845 North Nine-  
teenth street.

Church, East Rhawn street, Fox Chase. Ar-  
chitects, Henon & Boyle, 14 South Broad  
street. Owners, St. Cecelias R. C. Church,  
care of W. C. Shendan, on premises. Stone,  
one story and basement, 40x135 feet, tile  
roof, electric lighting, steam heating. Plans  
completed. Architects ready for bids about  
March 1.

Residence (alt. and add.), 108 West Queen  
Lane, Germantown. Owners, Mrs. M. M. E.

Hess, on premises. Brick and stucco, two and  
one-half stories, 26x25 feet, additional, metal  
roof, interior alterations. Revised plans in  
progress.

Residence, Glenside, Pa. Architect, Oliver  
Randolph Perry, 1723 Chestnut street. Own-  
er, Charles H. Pierson, 240 West Somerset  
street. Reinforced concrete, two and one-half  
stories, 38x25 feet. Shingle roof, hot water  
heating, electric lighting. Architect taking  
bids, due March 11th. The following are fig-  
uring: W. R. Beisel, Hatfield, Pa.; Welling-  
ton Godshalk, Kulpsville, Pa.; M. H. Yeakel,  
Glenside, Pa.; H. E. Hauser, Glenside, Pa.;  
Joseph Eastburn, Yardley, Pa.; Henry Specht,  
Willow Grove, Pa.

Flat House, Wayne avenue, below Hans-  
berry street, \$15,00. Architect, J. C. Fernald,  
5533 Wyalusing avenue. Owner, Thomas B.  
Bell, 25 East Price street, Germantown.  
Brick, four stories, 24x88 feet. Slag roof,  
electric lighting, steam heating. Owner will  
take sub-bids.

Residences (70), Fifty-eighth and Washing-  
ton avenue. Architect, E. Allen Wilson, 1208  
Chestnut street. Owner, Quaker City Realty  
Co., 6012 Christian street. Brick, two stories,  
10x30 feet. Slate and slag roofs, steam heat-  
ing, electric lighting, hardwood floors. Own-  
ers taking sub-bids.

Stable and Coal Pocket, Tenth and Dia-  
mond streets. Architects, Ballinger & Per-  
rot, 1211 Arch street. Owners, Fretz Realty  
Company, 1015 Diamond street. Brick and  
concrete, three stories, 32x132 feet. Slag  
roof, electric lighting, steam heating. Archi-  
tects taking bids, due March 11th. The fol-  
lowing are figuring: Irwin & Leighton, 126  
North Twelfth street; Cramp & Co., Denckla  
Building; George Hogg, 1634 Sansom street;  
B. Ketcham's Sons, 1029 Brown street; H. H.  
Wehmeyer, 1004 West Lehigh avenue; A. R.  
Raff, 1635 Thompson street; P. Haibach,  
Twenty-sixth and Thompson streets; Apple-  
ton & Burrell, 1204 Chancellor street; J. R.  
Jackson, Perry Building; W. Easterbrook,  
519 Commerce street.

Residence (alt. and add.), Mermaid lane,  
St. Martins, Pa. Architects, Duhring, Okie &  
Zeighler, Bailey Building. Owner's name  
withheld. Stone, three stories, slate roof,  
electric work. Plans in progress.

Post Office (alt.), Ninth and Chestnut  
streets. Architect, private plans. Owner, U.  
S. Government, care of custodian. Electric  
lighting, steam heating. Owners taking bids,  
due March 15th. The following are figuring:  
Guernsey & O'Mara, North American Build-  
ing; T. C. Trafford, 1613 Sansom street; Sax  
& Abbott, Hale Building; Joe Price, 2048  
Rittenhouse street.

Factory, Power House, Storage House, 6  
Bungalows, Bridgeton and Millville Turnpike,  
Bridgeton, N. J. Architects, Sauer & Hahn,  
1112 Chestnut street. Owner, Walter Baker,  
care of architect. Frame, one and two stories,  
72x90 feet, 30x40 feet and 40x60 feet. Shin-  
gle roof, electric lighting, steam heating.  
Plans in progress.

Building, Fifteenth and Locust streets.  
Architects, Sauer & Hahn, 1112 Chestnut  
street. Owner, Martin E. Greenhouse, 114  
South Fifteenth street. Brick and concrete,  
eight stories, 60x106 feet. Slag roof, electric  
lighting, steam heating. Plans in progress.

Apartments, Thirty-eighth and Sansom  
streets. Architect, Bart Tourison, Land Title  
Building. Owner, Ralph Dillon, 31 East





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Washington lane. Brick, three stories, 32x63 feet. Slag roof, electric lighting, steam heating. Plans in progress.

**Residences (2)**, Lincoln Drive, Germantown, \$16,000. Architect, E. Allen Wilson, 1208 Chestnut street. Owner, John M. Snyder, 1733 Butler street. Stone, brick and plaster, three stories. Slate roof, steam heating, electric lighting, hardwood floors. Plans in progress. Owner will take sub-bids.

**Corridor (extension)**, Second and Luzerne streets. Architect, Philip H. Johnson, Land Title Building. Owners, The Municipal Hospital for Contagious Diseases, care of Dr. J. S. Neff, City Hall. Brick and stone, one story, 84x12 feet, cement roof. Owners taking bids, due March 6th. Doak & Co., Crozer Building, are figuring.

**Buildings (10)**, Newark, N. J., \$500,000. Architect, J. O'Bourke & Son, Newark, N. J. Owners, Home for the Aged and Infirm of Newark, N. J. Brick and concrete, fireproof, two and three stories. Slate and slag roof, steam heating, electric lighting. Architects taking bids, due March 11th. Metzger & Wells, Heed Building, are figuring.

**Garage**, 2128-30-32 Market street, \$70,000. Architects, Stuckert & Sloan, Crozer Building. Owner, Frank Hardart, 818 Chestnut street. Brick, concrete, fireproof, slag roof, 62x12 feet, three stories, electric lighting, steam heating. Plans in progress.

**Residence (alt. and add.)**, Ship road, Chester County, Pa. Architect, Wilson Eyre, 1003 Spruce street. Owner, Knax Livingston, care of architect. Stone, two and one-half stories. Architect taking bids, due March 9th. The following are figuring: George & Borst, 277 South Eleventh street; W. W. Moore, Downingtown, Pa.; G. L. Croll, Rosemont, Pa.; J. M. Burnes, West Chester, Pa.; W. J. McComb, Devon, Pa.

**Alt. and add. to 1307 Locust street.** Architects, Bunting & Shrigley, 603 Chestnut street. Owner, the New Century Guild, on premises. Alteration to kitchen and roof garden. Architects taking bids, due March 12th. James G. Doak & Co., Crozer Building; Jenkins Strau, 5618 Master street; J. J. Murphy Company, 610 North Twenty-first street, are figuring.

**Store and Office Building (alt. and add.)**, Langhorne, Pa., \$5,000. Architect, Thomas Stephens, Camden, N. J. Owner, William B. Parry Building, Langhorne, Pa. Two stories, brick and marble. Plans in progress. Architect will take bids in about a week.

### ATLANTIC CITY, N. J.

**Firehouse**, Atlantic City, N. J., \$60,000. Architect, S. H. Vaughn, Bartlett Building. Owners, City of Atlantic City. Brick, two stories, 46x122 feet. Tile roof, electric lighting, steam heating, enamel brick. Owners taking bids, due March 12. The following are figuring: Abacus Construction Company, A. W. Riley, Ed. L. Bader, Amsterdam Construction Company, Bartlett Building; E. E. Smith, 109 South Vassar avenue; W. Beaumont, Bell Riddle Building, Atlantic City, N. J.

**Garage**, 615 Atlantic avenue, \$30,000. Architect, private plans. Owner, W. E. Mathias, 1303 Atlantic avenue. Brick, two stories, 50x170 feet. Electric lighting, steam heating, slag roof. Owner taking sub-bids.

**Dwellings (16)**, Atlantic City, N. J., \$29,000. Architect, private plans. Owner, Matheas, 1510 Atlantic avenue. Brick, two stories, 15x36 feet. Slag roof, hot water heating. Owner taking sub-bids.

**Residences and Stores (2)**, Atlantic City,

N. J. Architect, J. R. Ogden, Bartlett Building. Owner, J. Blumberg, Atlantic City. Brick, two stories, 48x50 feet. Slag roof, electric lighting, hardwood floor. Architect taking bids. The following are figuring: Thompson Brothers, Atlantic City; Brown Brothers, O. H. Guttridge, E. F. Hann, all of Atlantic City; Stacey Reeves & Sons, 1609 Filbert street, Philadelphia, Pa.

**School**, Absecon, N. J. Architect, J. V. Mathias, Bartlett Building. Owners, School Board of Absecon, N. J. Brick and stone, two stories, 60x125 feet. Electric lighting, steam heating, slag roof. Plans in progress.

**Power House**, Wernersville, Pa., \$20,000. Architects, Stout & Reibenack, Bartlett Building. Owners, Galen Mountain Company, Galen Hall, Atlantic City. Stone, one story, 50x72 feet. Asbestos shingle roof. Plans in progress.

**City Hall (add.)**, Ventnor, N. J., \$12,000. Architect, J. V. Mathias, Bartlett Building. Owners, City Hall Building Committee, Ventnor, N. J. Brick, two stories, 30x65 feet. Electric lighting, steam heating, slate roof. Architect taking bids. The following are figuring: Beaumont Construction Company, Bell Riddle Building; J. Mathias & Sons, Parson & Tilton, Abacus Construction Company, all of Atlantic City, N. J.

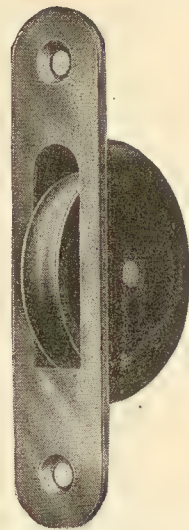
**Hotel**, Atlantic City, N. J., \$200,000. Architect, J. R. Ogden, Bartlett Building. Owner's name withheld. Brick, fireproof, nine stories, 50x160 feet. Electric lighting, steam heating, composition roof, hardwood floors. Plans in progress.

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## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man  
and Interior and Exterior Fitter.

Station, Cressona, Pa. Architect, William  
Hunter, Reading Terminal. Owners, Phila-  
delphia and Reading Railway Co. Brick, one  
story, 60x26 feet, electric light, steam heat,  
slag roof. Contract awarded to C. Messer-  
smith, Pottsville, Pa.

Station (alt. and add.), Twenty-fourth and  
Chestnut streets. Architect, M. A. Long, Bal-  
timore, Md. Owners, Baltimore and Ohio  
Railroad Co., Twenty-fourth and Chestnut  
streets. Steel and frame, one story, slate  
roof, electric light. Contract awarded to  
Roydhouse, Arey & Co., Fidelity Building.

Building (alt. and add.), 2116-18 Market  
street. Architects, Ballinger & Perot, 1112  
Arch street. Owners, Stewart Maloney Es-  
tate, on premises. Brick, two stories. Con-  
tract awarded to P. J. Gaffney & Co., 130  
North Twelfth street.

Rectory and Parish House, Forty-eighth and  
Haverford avenue. Architects, Brazer &  
Robb, 1133 Broadway, New York. Owners,  
Holy Comforter P. E. Church, Rev. E. J.  
McHenry, 712 North Forty-eighth street, Phil-  
adelphia. Brick and stone, three stories, 26x  
36 feet, slate roof, steam heat, electric light-  
ing. Builders, Pennsylvania Construction Co.,  
14 South Broad street. Taking sub-bids at  
once.

Church, Fifty-fourth and Vine streets. Ar-  
chitects, Henon & Boyle, 14 South Broad  
street. Owners, Our Lady of Victory R. C.  
Church, on premises. Consists of completion  
of interior. Contract awarded to John Mc-  
Shain, 631 North Seventeenth street.

Residence (alt. and add.), Washington lane  
and City line. Architect, H. Trumbauer, Land  
Title Building. Owner, G. D. Widener, Land  
Title Building. Stone, three stories, electric  
lighting, steam heating, slate roof, hardwood  
floors. Contract awarded to George F. Payne  
& Co., 401 South Juniper street.

Garage (alt. and add.), 1625 Brandywine  
street. \$1,500. Architect, private plans.  
Owner, Conard Maron, 1614 Chestnut street.  
Brick, two stories, slag roof, electric light,  
steam heating. Contract awarded to Stacey  
Reeves & Son, 1609 Filbert street.

Apartment House (alt. and add.), 1628 Dia-  
mond street. Architect, Lewis Levi, Real Es-  
tate Building. Owners, Diamond Realty Co.,  
137 South Thirteenth street. Brick, three  
stories, electric lighting, steam heat, slag roof.  
Contract awarded to H. Gill, Jr., 2200 Ger-  
mantown avenue.

Rectory (alt. and add.), Thirty-ninth and  
Locust streets. Architect, H. J. Wetherill, 328  
Chestnut street. Owners, St. Mary's P. E.  
Church, Thirty-ninth and Locust streets. Brick  
and stone, three stories, interior alterations.  
Contract awarded to Mowrer Bros., Merion,  
Pa.

Garage, 1435 Vine street. Architect, Chas.  
E. Oelschlager, Harrison Building. Owners,  
Louis A. Belmont, 2037 North Broad street.  
Brick, one story, 20x75 feet, slag roof, electric  
lighting, hot air heating. Contract awarded  
to E. J. Kreitzburg, 1345 Arch street.

### ATLANTIC CITY, N. J.

Store and Apartments, Connecticut avenue  
and Boardwalk, \$25,000. Architects, Stout &  
Riebenack, Bartlett Building. Owner, Joseph  
Fralinger, on premises. Brick and steel, two  
stories, 73x100 feet. Electric lighting, hot  
water heating, slag roof. Contract awarded  
to Ingersoll & Weeks, Atlantic City.

Residence, Atlantic City, N. J., \$15,000.  
Architects, J. V. Mathias & Sons, Bartlett  
Building. Owner, J. T. Aownsend, Atlantic  
City, N. J. Hollow tile, two and one-half  
stories, 34x50. Electric lighting, hot water  
heating, slate roof. Contract awarded to J.  
Mathias & Son, Atlantic City.

Residence and Garage, Atlantic City, N.  
J., \$14,000. Architects, V. B. Smith & W.  
S. Shull, Bartlett Building. Owner, L. L.  
Jones, Atlantic City. Brick, two and one-  
half stories, 35x45 feet. Electric lighting,  
hot water heating, slate roof, hardwood floors.  
Contract awarded to James Steelman, At-  
lantic City.

## Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Webb Terminal Warehouse Company (O),  
Delaware avenue and Walnut street. Irwin &  
Leighton (C), 130 North Twelfth street. Cost,  
\$350,000. Warehouse, brick and concrete,  
nine stories, 147x152 feet, Delaware avenue  
and Walnut street.

W. H. Ashton (O), 5618 North Second  
street. Cost, \$1,700. Dwelling, brick, 16x36  
feet, Second and Chew street.

Anthony Pletcher (O), Roxborough, Phila-  
delphia. Cost, \$600. Dwelling, frame, two  
stories, 20x28 feet, Roxborough, Phila.

P. E. Wright (O), Stephen Girard Building.  
Stacey Reeves & Sons (C), 1609 Filbert street.  
Cost, \$12,000. Dwelling, Broad and Oxford  
streets.

Estate of F. H. Colkert (O), 108 West End  
Trust Building. C. B. Pennshlan (C), 1317  
Spruce street. Cost, \$1,500. Armory, 2025  
Sansom street.

Bergner & Engel Brewing Company (O),  
Thirty-second and Master streets. Matthew  
Schmid (C), 1308 North Sixth street. Cost,



\$8,050. Brewery, Thirty-second and Master streets.

Henry Tetlow (O), Norristown, Pa. T. J. Carberry (C), 51 North Hutchinson street. Cost, \$1,500. Store, 134 North Tenth street.

Louis Brewing (O), 4953 North Fifth street. Cost, \$1,700. Dwelling, brick, two stories, 16x44 feet, Lawrence and Ruscomb streets.

Charles Schwarz (O), Torresdale, Philadelphia. Cost, \$2,200. Dwelling, brick, three stories, 16x40 feet, Frankford avenue and Purian street.

John Brown (O), 1930 East Lippincott street. Cost, \$1,400. One dwelling, brick, two stories, 1932 East Lippincott street.

Weimar Bros. (O), Amber and Dreer street. Ed. Hollenback (C), Fifteenth and Race streets. Cost, \$17,500. Factory, brick, two stories, 29x48 feet, Amber and Dreer streets.

Weightman Estate (O), 1931 Market street. F. Pettitt (C), 809 Master street. Cost, \$500. Apartment house, 114 South Eighteenth st.

Powers & Mages (O), 5657 Chew street. W. J. Cowell (C), 943 East Chelton avenue. Cost, \$2,500. Store and dwelling, 5651 Chew street.

Thomas Hubster (O), 715 South street. N. Rosetsky (C), 512 Titen street. Cost, \$500. Store and dwelling.

H. Jerrett (O), 2039 Moravian street. F. E. Wallace (C), 1210 Sansom street. Cost, \$300. Bath room, 2039 Moravian street.

Pennsylvania Company (O), 517 Chestnut street. Horrocks Iron Works (C), 234 North Broad street. Cost, \$600. Building, 411-15 South Carlisle street.

John Rominski (O), 4498 Livingston street. Lewis Ahlevi (C), 4432 Salmon street. Cost, \$1,500. Dwelling.

J. M. Keenan (O), 1488 North Fifty-third street. Cost, \$400. Garage, 188 North Fifty-third street.

Women's Southern Homeopathic Hospital (O), Broad and Fitzwater streets. R. B. Wallace & Co. (C), Drexel Building. Cost, \$2,600. Hospital.

C. E. Fatcher (O), 2144 South Simpson street. Cost, \$18,000. Store, one story, brick, 15x54 feet, Sixty-second and Woodland avenue.

C. H. Gassner (O), 1930 Dennie street. Cost, \$1,350. Work shop, brick, two stories, 16x50 feet, 4346 Gratz street.

Harry Levin (O), 823 Winter street. Cost,

\$5,000. Two dwellings, brick, two stories, 16x42 feet, Eighty-second and Tinicum avenue.

City of Philadelphia (O), City Hall. M. P. Wells (C), Witherspoon Building. Cost, \$107,000. Hall, one story, frame, 265x375 feet, Broad and Allegheny avenue.

Brinton Estate (O), Bullitt Building. A. Whitehead (C), 1624 Latimer street. Cost, \$5,000. Club house, one story, 110x140 feet, Broad and Kenilworth streets.

S. S. Blackburn (O), 1222 South Broad street. Andrew Mowbray (C), 4934 Cedar avenue. Cost, \$4,000. Dwelling, brick, one story, 33x65 feet, Overbrook, Philadelphia.

Martin L. Constabel (O), 6320 Germantown avenue. Stacey Reeves & Sons (C), 1609 Filbert street. Cost, \$12,000. Dwelling and store, brick, three stories, 29x72 feet, Tulpehocken treet and Gesrmantown avenue.

Joseph A. Blair (O), 1027 Rockland street. Cost, \$22,400. Eight dwellings, two stories, 16x50 feet, Tenth and Warnock streets.

A. L. Rudolph (O), 5225 Ridge avenue. Cost, \$7,600. Four dwellings, brick, two stories, 15x42 feet, Ridge avenue and Lewiston street.

Kensington Hygenic Ice Company (O), Trenton avenue and Huntingdon avenue. Geo. Kessler (C), 931 Drexel Building. Cost, \$4,700. Stable and garage, brick, two stories, 20x65 feet.

Ben Jacobsenn (O), Snyder avenue. Cost, \$1,600. Store and dwelling, Eighth and Fernon street.

St. Mary's P. E. Church (O), Thirty-ninth and Locust street. Morrow Bros. (C), Merion Pa. Cost, \$2,500. Rectory, Thirty-ninth and Locust streets.

City Trusts (O), Stephen Girard Building. Parvin & Co. (C), Stephen Girard Building. Cost, \$1,500. Office, 21 South Twelfth street.

Holstein DeHaven Bright (O), 1608 Spruce street. W. H. Pawling (C), 409 Harrison Building. Cost, \$400. Garage.

Max Spitz (O), 1442 Point Breeze avenue. A. Frank (C), 1522 South Sixth street. Cost, \$165. Dwelling and stores, 1442 Point Breeze avenue.

G. Lombardo (O), 1636 Carpenter street. St. Lucci & Padolese (C), 1645 Ellsworth street. Cost, \$600. Dwelling, 1636 Carpenter street.

street and Sedgley Ave. Ed. Molloy (C), 2316 East Lehigh avenue. Cost, \$3,300. Shed.

J. Malnick (O), 1327 South Fifth street. A. Schestack (C), 528 Race street. Cost, \$570. Dwelling, 442 Wilder street.

C. Rath (O), 1739 Foulkrod street. Rimers & Byers (C), 1747 Foulkrod street. Cost, \$1,500. Factory, Hedgley and Bath streets.

Frankford Presbyterian Church (O), Frankford avenue and Church street. George Gray (C), 4665 Paul street. Cost, \$1,500. Church, Frankford avenue and Church street.

Mr. Harr (O), 2101 Spring Garden street. H. B. Nichols (C), 4529 Spring Garden streets. Cost, \$1,200. Apartment house, 4050 Walnut street.

James Bisler (O), 404 South Fifth street. B. Bornstein (C), 409 South Fifth street. Cost, \$5,600. Brick, three stories, 15x50 feet, 412 South Fifth street.

Edwin Wolf (O), 1311 North Watts street. H. E. Baton, (C), Tenth and Sansom streets. Cost, \$9,999. Brick garage, two stories, 51x25 feet, 1311 North Watts street.

George W. Bourne (O), 1930 Hazel avenue.

Cost, \$43,000. One dwelling, brick, two stories, 17x60 feet, Lansdowne, Pa.

Frank Williams (O), 1432 Wolf streets. Cost, \$12,000. Fourteen dwellings, two stories, 16x50 feet, Nineteenth and Morris streets.

A. Allen & Co. (O), 2001 Carpenter street. W. M. Mitchell (C), 2 and 4 Hicks street. Cost, \$3,000. Manufacturing building, brick, two stories, 48x30 feet, 2001 Carpenter street.

John Morrell Company (O), 418 New Market street. Fred Paulson (C), 1345 Arch street. Cost, \$1,100. Warehouse, 418 New Market street.

Alex. Wolfinger (O), Twentieth and Commerce streets. W. N. Thompson (C), 1529 Filbert street. Cost, \$2,100. Factory, Twentieth and Commerce streets.

Murphy Bros., Thirtieth and Reed streets. W. H. Gravell (C), 1218 Christian street. Cost, \$5,000. Dye house, Thirtieth and Dickinson streets.

Germantown Cricket Club (O), Germantown, Philadelphia. Stokes Bros. (C), 6723 Musgrove avenue. Cost, \$1,800. Club house, Germantown, Philadelphia.

E. Wolf (O), 1311 North Watts street. M. Monaghan (C), 214 South Twelfth street. Cost, \$962. Garage, 1311 North Watts street.

Charles W. Ervien (O), 15125 North Broad street. W. A. Huston (C), 1311 Jefferson street. Cost, \$500. Store and dwelling, 207 South Fifty-second street.

G. J. Nichols (O), 6744 Oak Lane avenue, Oak Lane. William C. Frith (C), 355 East Price street. Cost, \$500. Garage, 6744 Oak Lane avenue.

M. B. Bradley (O), 1379 Ridge avenue. Cost, \$1,040. Dwelling, 1379 Ridge avenue.

Frank Knoll (O), 124 Conaroe street. Keller Bros. (C), 4522 Baker street. Cost, \$5,900. Saloon and dwelling, Conaroe and Baker streets.

Grand Lodge I. O. O. F. of Pa., Parkway Building, Philadelphia. Steam Heating Company, Broad and Cherry streets. Cost, \$1,600. Office, 1723 Arch street.

Mrs. C. Wetherill (O), 5532 Morris street. J. M. Ralph (C), 38 West Seymour street. Cost, \$1,300. Dwelling, 5532 Morris street.

William T. Clark (O), Thirtieth and Columbia avenue. F. S. Wentz (C), 1652 North Thirtieth street. Cost, \$1,250. Dwelling, Thirtieth and Columbia avenue.

F. M. Davis (O), 1444 North Fifteenth street. Pomeroy Construction Company (C), 1609 Ranstead street. Cost, \$1,500. Office, 910 Walnut streets.

A. Miller (O), 301 Callowhill street. William Meyers & Sons, (C), 216 Quarry street. Cost, \$5,000. Store, 303 Callowhill street.

I. M. Simonin (O), St. Martin's, Philadelphia. F. B. Davis (C), 35 South Seventeenth street. Cost, \$1,300. Garage, St. Martins, Philadelphia.

Public Bath Association (O), City of Philadelphia. J. S. Cornell & Son (C), Land Title Building. Bath house, two stories, 35x61 feet, Germantown avenue and Stiles street.

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## Alterations and Additions

Joe Forman (O), 213 Lombard street. I. Levy (C), 1404 South Sixth street. Cost, \$1,100. Store and dwelling, 213 Lombard street.

J. M. Beidler (O), 1344 Hunting Park avenue. W. J. Jones (C), 2947 North Fifth street. Cost, \$500. Store and dwelling, 2958 North Fifth street.

P. & R. R. Co. (O), Twelfth and Market streets. Armstrong & Latta (C), Land Title Building. Cost, \$3,425. Signal Tower, Belmont Yards.

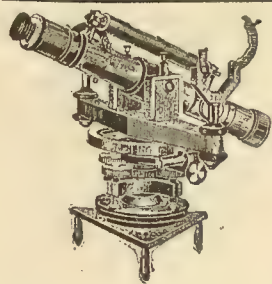
Pennsylvania Company (O), 517 Chestnut street. H. B. Boyle (C), 622 Filbert street. Cost, \$520. Cost, \$415. Apartment house, 414 South Broad street.

F. B. Bell (O), Sixty-third and Lansdown avenue. S. R. Edge (C), 5014 Willow avenue. Cost, \$4,500. Dwelling and store, Sixty-third and Lansdown avenue.

Diamond Realty Company (O), 137 South Thirteenth street. Harry Gill, Jr (C), 2200 Germantown avenue. Cost, \$21,000. Apartments, 1618-30 Diamond street.

Whiting Lumber Company (O), Dauphin





## LEVELING INSTRUMENTS

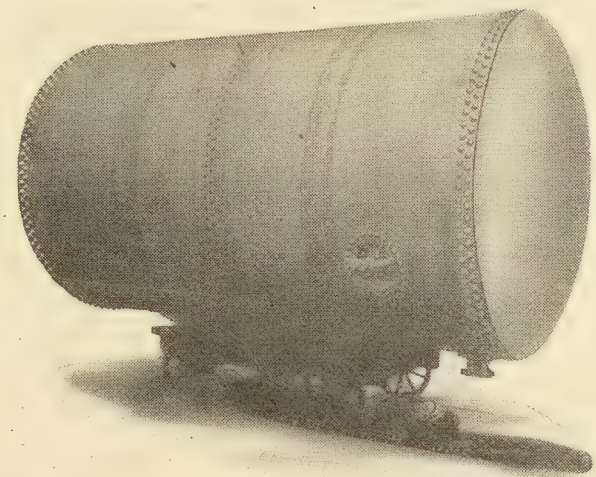
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## Trade News and Gossip

Cullings from the Week's News, with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

\*\*At the thirteenth annual convention of the National Builders' Supply Association, held at the Hotel Astor, New York City, the following officers were selected to serve for the ensuing year: President, Charles Warner. Treasurer, Charles W. Classen. Executive Committee, R. W. Kelly, W. D. Ray, L. W. Macatee, E. S. Walton. Vice-presidents, D. T. Hargroves, Helena, Mont.; C. J. Waterhouse, San Francisco, Cal.; Frank H. Johnston, New Britain, Conn.; Charles E. Bye, Wilmington, Del.; S. Dana Lincoln, Washington, D. C.; P. G. Hanahan, Atlanta, Ga.; H. H. Halliday, Cairo, Ill.; A. E. Bradshaw, Indianapolis, Ind.; Owen Tyler, Louisville, Ky.; E. H. Michel, New Orleans, La.; John J. Kelly, Jr., Baltimore, Md.; B. F. Marsh, Worcester, Mass.; S. R. Moorman, Grand Rapids, Mich.; John Wharry, St. Paul, Minn.; Howard McCutcheon, Kansas City, Mo.; James H. Allen, Lincoln, Neb.; Walter C. Schultz, Hoboken, N. J.; Henry Schaefer, Jr., Buffalo, N. Y.; George Gengnagle, Dayton, Ohio; J. N. Thayer, Erie, Pa.; Edward D. Allen, Providence, R. I.; A. C. Gower, Greenville, N. C.; W. T. Hardeson, Nashville, Tenn.; Lovell Marston, Houston, Texas; T. P. Jones, Wheeling, W. Va.; S. W. R. Dally, Seattle, Wash.; H. H. Plummer, Menasha, Wis.

\*\*The National Lime Manufacturer's Association pulled off the Tenth Annual Convention of this progressive organization at the Hotel Astor, New York City, February

1 and 2. The following slate of officers for 1912, was elected without opposition: President, W. E. Carson, Riverton, Va.; first vice-president, J. King, McLanahan, Jr., Hollidaysburg, Pa.; second vice-president, A. M. Glasgow, Knoxville, Tenn.; third vice-president, R. C. Brown, Oshkosh, Wis.; secretary, Fred K. Orvine, Chicago; treasurer, C. W. S. Cobb, St. Louis, Mo.; executive committee, William E. Carson, Charles Warner and Walter S. Sheldon.

\*\*A Pennsylvania charter has been recently issued to the Silicon Product Company, of Erie, Pa., the capital stock of which is \$30,000. W. H. Graham, of Erie, is at the head of the new company.

\*\*The capital stock of the Ely Fire Brick Company, of St. Mary's, Pa., has been increased from \$100,000 to \$200,000.

\*\*The Ivory Stone Company has been formed at Lewisburg, W. Va., with \$25,000 capital stock and it will operate quarries and manufacture cement. J. S. McWhorter, of Lewisburg, is president of the new company.

\*\*Announcement has been received here from the offices of the Hocking Valley Products Company, of Columbus, Ohio, that T. C. Collins, who has been in charge of the brick department, has been made sales manager for the company.

\*\*The plants of the DuBoid and Butler Brick Company, at Falls Creek, Pa., are working to the limit. The concern recently



booked an order that will require 125 cars to transport.

\*\*All new buildings of the Neshannock Brick Company, at New Castle, Pa., have been completed, and operations are expected to start March 1.

\*\*In applying for a charter for the new National Builders' Supply Company, the following reasons and objects of the association are given: "To promote closer acquaintance and to foster a freer interchange of thought and opinion among its members and to remedy such misunderstandings among its members and to remedy such misunderstandings among the members thereof as may be injurious to their business interests; to disseminate among dealers in and manufacturers of building materials a better knowledge of all matters appertaining to said trades by means of a periodical publication, printed literature and by such other means as may be deemed practical or advisable with a view to fostering and prompting greater efficiency and economy among its members, and also to co-operate with other associations which may be striving to accomplish similar purposes."

\*\*Architecture of the world is promised in drawings and models at the second annual Architecture and Engineering Exhibition to be held at the Seventy-first Regiment Armory, Park avenue and Thirty-fourth street, New York, from March 25 to 30. Models have already been completed of buildings in Japan, China, Africa and India and leading architects have been invited to contribute models of prominent buildings contemplated or in course of construction in this country. Architectural and engineering schools and colleges will also exhibit models or drawings made by their students. Comprehensive exhibits of building supplies, materials and accessories will also be made and in conjunction with the exhibition a conference of architectural, building, contracting and engineering interests will be held, particular attention being devoted to the fire waste and its reduction and also to suburban home building achievements of the present day.

\*\*Announcement is made that Arthur E. Warner, who has been for the past year the western manager for "Cement Age," and who was previously connected with "Concrete Engineering," has resigned to join the staff of the "Engineering Record." His place as western manager of "Cement Age" will be filled by Robert M. Babbitt, who was for three years western representative of the "Electric Railway Journal."

\*\*The second Cement and Concrete Show, to be held in connection with the Third Exhibition of Textile Machinery and Mill Supplies under the auspices of the Textile Exhibitors' Association, Boston, will take place in that city, April 22 to 27, inclusive. The exhibition will be held in the Mechanics Building. Manufacturers will be especially interested in concrete as used in factory construction, owing to its fire-resisting and non-vibrating qualities. In 1910 Boston Textile Exhibition, in response to the request of many firms in New England interested in the subject of concrete construction, a portion of space was devoted to a cement and concrete

exhibit. This, owing to the short notice given, was not as complete as desired, but served the purpose of bringing forcefully to the attention of the mill owners and others interested in building operations in this section of the country the great superiority in this type of construction, and created an interest that has been steadily growing. With the announcement of the Third Textile Exhibition to be held next April, in connection with the National Convention of Cotton Manufacturers it is intended to present a much more comprehensive exhibit of the concrete industry than ever before held in New England.

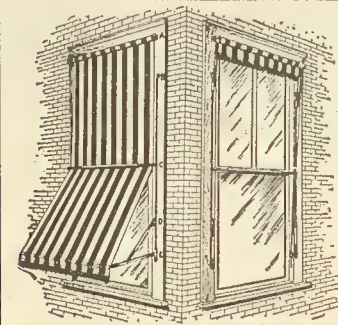
\*\*A new process of waterproofing a masonry surface by the aid of compressed air is being developed by the Moore Mica Paint Company, of 76 William street, New York City. In this process a hood is placed tightly over the leaky portion of a concrete or masonry wall to which a special paint has been previously applied. Compressed air is then admitted under the hood, and by its pressure forces the paint into the pores of the masonry.

\*\*The Inland Steel Company, Chicago, announces the following appointments, effective February 15: O. P. Blake, as assistant general manager of sales, with headquarters at St. Louis, in charge of the Southwestern territory; F. R. Meyer, Jr., district sales manager at St. Louis; J. B. Sharp, district sales manager at Kansas City. The latter office has just been established in recognition of the importance of that territory as a market for the company's products. The local address of the Kansas City branch will be Room 511, R. A. Long Building.

\*\*The negotiations which have been in progress for the best part of a year regarding the formation of an additional combination of cement manufacturers to act in co-operation with the Associated Portland Cement Manufacturers, Ltd., have been completed; and the British Portland Cement Manufacturers' Company has been registered with a capital of \$17,500,000. The works to be acquired are those of the Saxon and Norman Portland Cement Companies at Newmarket, and Lord St. Davids, the chairman of the Associated Manufacturers, will act in a similar capacity for the new concern, while one of the managing directors will be Mr. A. C. Davis, the present managing director of the Saxon and Norman Companies. Between them, the two combinations will control five-sixths of the total output of cement in Great Britain. The new company will control an annual production of 1,500,000 tons of cement, which gives some idea of the magnitude of its operations.

\*\*A very attractive display of its products, including Scott's extra coated roofing tin, "Security" nested stovepipe and one-piece crimped even blue elbows, was made by the Follansbee Brothers Company, Pittsburgh, recently at booth 248, Young's Million Dollar Pier, Atlantic City. The company will have a similar exhibition at the Ohio Hardware Show, February 27, 28 and 29, occupying booth 125. Following this its exhibit will be found in booth 131 at the Albany Hardware Exhibition, to be held March 6, 7 and 8.

\*\*Announcement is made that the Humphreys-Christman Company has succeeded Kurrie Bros. Company, 635-37-39 North Watts street, Philadelphia, in the manufacturing of bolts, rods, washers, builders' iron work and ornamental iron work. Mr. Clarence C. Humphreys, of the new company, was formerly associated with the Charles P. Biggin Company as bookkeeper and purchasing agent; Mr. Burton M. Christman with the same concern as draughtsman and estimator.



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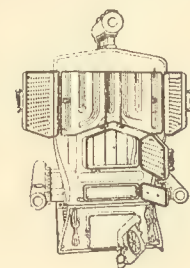
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The American Society of Engineering Contractors, 13-21 Park Row, New York City, is sending out a pamphlet on "The Cement Gun," by William A. Jordan.

\* \* \*

"Sackett Plaster Board Instead of Lath: The Right Way to Apply It" is a very attractive little booklet issued by the United States Gypsum Company, setting forth the merits of the plaster board manufactured by this concern. As a fireproof, durable, easily applied and economical lathing material Sackett Board has attained an immense and still growing popularity. Builders unfamiliar with this excellent board are urged to write for a copy of this booklet. Address United States Gypsum Company, New York City.

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#### PENNSYLVANIA AT THE CLAY PRODUCTS SHOW.

The clay products manufacturers of Pennsylvania propose to be creditably represented at the National Clay Products Exposition, which will be held at the Coliseum in Chicago, March 7th to 12th. Numerous displays of clay wares of all kinds manufactured in this State, will be shown in the form of beautiful and artistic structures to be erected on the Coliseum floor, and these exhibits will demonstrate in the most effective manner the merit, beauty and durability of these materials.

Pennsylvania is one of the most important clay-working States in the Union, and produces annually these products to the value of over twenty-three million dollars. There has been rapid development in the manufacture of these products in this State in the past few years, and the clay interests now represent one of the most important industries.

Chicago's Mayor has sent a personal invitation to the Mayors of all the cities in the country, inviting them to send representatives to study the demonstration of fireproof construction, of sanitary sewerage and street paving methods, which will be shown in the municipal section of the exposition.

Manufacturers in this State are very strongly represented at this exposition with many beautiful displays, including elaborate and artistic brick structures, sewer pipe, pottery and other exhibits. One of the interesting features will be a full-sized brick bungalow, costing \$5000, erected on the floor of the Coliseum, and also a magnificent arch 27 feet in height, and costing \$10,000.

Permanent home and fireproof construction will be strong features of the exposition, and modern methods will be exemplified by actual construction work.

Because of the importance of the clay interests in this State, a day has been set apart by the exposition authorities as "Pennsylvania Day."

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#### RECENT TRADE LITERATURE.

The new catalogue of the Slatington Slate Company, of Slatington, Pa., producers of the "genuine Franklin Tunnel Slate" is a sumptuous example of tasteful and effective advertising. Beautifully printed in two colors throughout, with a heavy gold embossed and gray linen cover, it makes a stunning and attractive little booklet. What it fails to tell about slate and the uses to which slate may be put, isn't worth telling. This entertaining little volume will be mailed free on request to persons interested.

\* \* \*

A novel stunt in advertising is a pamphlet—cleverly imitating the paper book used by lawyers in litigation, setting forth the advantages of wrought iron over steel or scrap-made piping in wear and general service.

This pamphlet is issued by the Reading Iron Company, Reading, Pa., and presents a lot of valuable and convincing data on the subject of piping and its durability under test.

\* \* \*

Catalogue No. 20, issued by the Logue-Stronge Manufacturing Company, manufacturers of art metal work, gas and electric fixtures, 435-437 North Broad street, Philadelphia, is fresh from the press and covers a wide range of new and exclusive designs such as should appeal to the architect who wants "something different." The Logue-Stronge Company is prepared to submit designs in perfect harmony with special architectural or decorative schemes and is desirous of placing copies of this new and handsome catalogue in the hands of architects, decorators and others interested.

\* \* \*

An attractive catalogue reaches us from the Searles Manufacturing Company, of Newark, N. J., manufacturers of a line of dainty bath room accessories. The fixtures turned out by the Searles Company embrace everything good taste requires in a modern bath room to give the plumbing fixtures that extra touch which differentiates between mere fittings and up-to-date furnishing. Copies of this catalogue will be sent architects and building owners on request.

\* \* \*

Duplex Ventilators, designed for installation in the sashes of windows and operated by means of small electric blowers forcing the air over the radiator, are described in a new catalogue just issued by Ventilating Systems Company, 1328 Broadway, New York. The various types of units are illustrated and described while some interesting facts are presented on the effects of bad air.



## Architectural Notes.

### MONTHLY MEETING OF PHILADELPHIA CHAPTER.

The regular monthly meeting of the Philadelphia Chapter, A. I. A., was held at the rooms of the T Square Club, 1204 Chancellor street, on Tuesday evening, February 13th, 1912.

Preceding the meeting about twenty members dined at Kugler's restaurant. The meeting was called to order at 8.15 P. M. by the President, Mr. John Hall Hankin, the following members being present: Messrs. Laird, Harbeson, Kelsey, Moses, Fetterolf, Plack, Granger, Brockie, Zantzinger, Thomas, D. K. Boyd, Blithe, Potter, Watson, Rankin, Page, Borie, Medary, Duhring, Seeler, Prichett, Kellogg, Molitor, and Sellers.

The Secretary read the minutes of the previous stated meeting of January 8th, together with the minutes of the five subsequent weekly meetings of the Executive Committees to February 5th, inclusive.

Reports of committees being in order, Mr. Brockie for the Committee on Admissions stated that it would be helpful to his committee if a more general response to inquiries relative to candidates for membership be obtained, for while no reply might be construed to signify a favorable opinion of the applicant, this opinion should be expressed, for otherwise the only replies received by the committee might be those of an unfavorable character even though such opinion would be actually in the minority. It was suggested that the Secretary consider this matter in connection with sending out notices relating to applicants.

Mr. Rankin in reporting for the Committee on Competitions referred to the circumstances some years ago when the Lower Merion School Board declined to follow the competition code, and that in case of a school building now under consideration, the Board has recognized the code and the competition to be held for a building at Ardmore will be in accordance therewith.

In the absence of its chairman, the Committee on Preservation of Historic Monuments had no report.

Mr. Boyd for the Committee on Public Information stated that his committee has been busy of late in bringing to the attention of the press the various resolutions of the Chapter on matters of public interest.

The Secretary announced the election to Chapter membership of the following: Messrs. William Holmes Cookman, John Frederick Harbeson, and Arthur Ingersoll Meigs.

The Secretary referred to the Supplee resolution in City Councils, by which it is proposed to lease the city property on the line of the Parkway, and on behalf of the Chapter offered the following resolutions:

"Whereas, The adoption of the Supplee resolution now pending in City Councils will tend to delay or indefinitely postpone the opening to traffic of the Parkway; and

"Whereas, Any postponement of the completion of the Parkway will increase the ultimate cost to the city; and

"Whereas, The Parkway constitutes a new and important diagonal artery of communication leading direct from the heart of the city to the Park, to West Philadelphia and to a large section of the city north of the Park, for convenience of the residents in those sections and to the enhancement of property values; and

"Whereas, The adoption of the Supplee resolution will attract to the center of the city and at the termini of the railroads a class of temporary improvements tending to continue the inferior character of many of the buildings already existing in this section; and

"Whereas, The construction of the Parkway as rapidly as the city's finances will permit, together with assurance of the permanency of its lines, will encourage those institutions which have under consideration locations upon it, and will warrant early and definite steps for the completion of their buildings, which structures will enhance the distinction of our municipal center and bring together a series of great buildings devoted to the best interests of the community; and

"Whereas, The immediate completion of any other structures, such as the Soldiers' and Sailors' Monument, on the axis of the Parkway, will give such assurance of the permanency of the official plan; therefore, be it

"Resolved, That the Philadelphia Chapter, American Institute of Architects, urges upon Councils the rejection of the Supplee resolution or any modification thereof which contemplates postponing the completion of the Parkway."

On motion these resolutions were adopted with instructions that they be forwarded to the Mayor and to the Presidents of Common and Select Councils and to the press.

Mr. Kelsey called the attention of the meeting to the deficiency in the funds of the Stewardson Traveling Scholarship, suggesting that steps be taken by the Chapter to assist in raising the required amount. In reply to an inquiry of Mr. Seeler, Mr. Medary stated that the funds are \$18,000, making the annual deficit \$200. On motion of Mr. Borie, the President was ordered to appoint a committee of three to assist in raising the necessary sum of \$5,000 principal and \$200 deficit for the current year.

Mr. Thomas called attention of the committee to the condition of the Atelier now being conducted at the University of Pennsylvania, stating that at the present time but two courses, namely, Elementary Mathematics and the History of Architecture, had been conducted, but that the curriculum should include "Construction," making three courses of twenty-five lectures each. The cost of two courses had thus far been met, but that the three courses would entail

a deficit on the basis of the funds now in sight. The Chapter was already pledged to pay \$100 toward the Atelier and to carry out the present plan it would be necessary to have about \$225 additional divided between the T Square Club and the Chapter. Mr. Thomas believed that the Chapter's share might, however, not exceed \$100. Mr. Boyd called attention to previous action by Mr. Zantzinger in relation to this subject, whereby Mr. Zantzinger and Mr. Boyd had pledged themselves to raise the necessary funds for the Atelier in excess of the Chapter's usual contribution.

Prof. Laird in commenting on the subject called attention to the work of the Boston Architectural Club, which entailed an expense of not less than \$5,000 a year to the architects who contributed to the work of the Atelier.

Mr. Medary offered the suggestion that the Chapter should guarantee any possible deficit irrespective of the T Square Club. On motion of Mr. Molitor it was ordered that the sum necessary to meet the expenses of the Atelier as referred to be guaranteed by the Chapter, understanding that Messrs. Boyd and Zantzinger would undertake to raise the amount without drawing upon the Chapter funds, and that the Atelier Committee be authorized to announce its three courses of lectures as outlined in Mr. Thomas' presentation of the matter.

There being no further business, the President stated that as referred to in the announcement of the meeting, the Chapter would proceed to consider the subject of office practice. The discussion was opened by Mr. Boyd, who in a brief address proceeded to outline various details that might be made the subject of future discussion at Chapter meetings. He dealt first with the necessity for a document which should form clearly a basis of understanding between architect and owner—a document which might eventually be adopted by the Institute as one of its standards—a combination, for instance, of the Schedule of Charges, Code of Ethics, and circular relating to competitions, with such additions as might be found desirable after thorough discussion on some stated occasions.

As an assistance to architects and as an aid in bringing about a closer relationship between the architect and Owner, he suggested that persons of authority be asked to address the Chapter on some of the following subjects: Settlements, mortgages, transfers, lien laws, insurance and other related subjects. He dwelt on the standardization of certificates, notifications and other office documents and compared the methods of procedure in many matters concerning office practice and the architect's general conduct of affairs.

Mr. Kelsey followed with a statement as to the great benefit that would result to the members from an interchange of ideas on these subjects, and after a general discussion by the members present, the meeting on motion adjourned with the understanding that

(Continued on page 169.)



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PHILADELPHIA, PA., MARCH 6, 1912.

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### THE "AMERICAN" NOTE IN ARCHITECTURE AND THE BEAUX ARTS INFLUENCE.

The undercurrent of protest which makes itself audible now and then in opposition to "foreign" teaching on the supposition that this teaching is not without an influence to "denationalize" the architectural tendencies indigenous to American ideals is heard anew. This opposition is based upon the somewhat hasty and certainly wholly unwarranted assumption that because a number of the leading schools of architecture are headed by teachers imported from the French schools the normal predisposition to an "American" style is likely thereby to be checked, if not Gallicized, and the Beaux Arts influence given a preponderance injurious to the free play of "native expression." How ridiculous this theory is must be apparent even to the superficial observer of architectural phenomena. As a matter of fact, such a thing as an "American style" in architecture does not exist, for the very excellent reason that we are as a people entirely too youthful architecturally to have evolved such a thing. If it be that America is destined to express herself architecturally in a style sufficiently removed from accepted models to be stamped native and original, the circumstance that she is getting en route the benefit of the best attainable European training is in no material sense likely to retard this ultimate outcome. Discussing this same question, the "Architectural Review" remarks:

"The general tendency to pattern instruction in architecture in this country upon the form of schooling prevalent in Paris continues to bring to America talented graduates of Ecole des Beaux Arts to assume charge of those departments in the various universities and colleges where architecture has come to be an important branch of schooling. M. Desire Despradelle has long been at the head of architectural design in the Massachusetts Institute of Technology. M. Eugene Joseph Armand Duquesne has, within a year, come to Cambridge to take charge of the Department of Architecture in Harvard College; and still more recently M. Charles Abella has come to Washington University at St. Louis to become Professor of Design in their School of Architecture. As this delights those who believe unreservedly in the principles and study of architecture as laid down in the Ecole at Paris, so it arouses protest or criticism from those who believe in developing a different school of architectural design in this country. As there seems to be no reason to doubt that a talented student, no matter what his predilections and the style of architecture he may elect to reproduce in practice hereafter, cannot fail but obtain much profit by studying the art and its design under the system so long developed in France, there should be no question but that in the long run American architecture will show definite and tangible results from the thorough knowledge of the principles of design that have been here

taught according to the foreign fashion. It is the belief of those most optimistically concerned in the future of architecture in America that these methods of education will ultimately blend harmoniously in the mind of the American student with the recognized basic principles; and meanwhile they continue to believe that these methods of study can never cause architectural design in America to become too inflexibly fixed upon conventional styles or continue causelessly to express itself in restricted or essentially foreign details of handling."

### BUILDING ON THE "COST PLUS A FIXED SUM BASIS."

The new method of building on a "cost plus a fixed sum" basis in lieu of the old system of an award to the lowest competitive bidder comes in for appreciative comment in the current number of the "Architectural Review."

"The introduction of concrete as a popular building material has not only evolutionized methods of building construction," observes the "Review," "but is also effecting changes in many of the old-fashioned way of letting and carrying on of contracts. On the whole, it is rather the expectation that benefit should result from this season of experimentation. For instance, not the least valuable possible change may come from the chance thus given to experiment in the actual use of the 'cost plus a fixed sum' theory of contracting a building. Already certain results have developed to argue for this method under favorable conditions. It offers the contractor without large capital an opportunity of doing perfectly sincere and thorough work. The owners are pretty well assured of obtaining all that they pay for (which is not always the case in work done under a definite contract cost), and the contractor is absolved from any undue risk or responsibility and left free to give his attention altogether to the building itself.

"In the 'cost plus a percentage of the profits' for the contractor, the single possible danger comes from the temptation that undoubtedly exists to increase the cost somewhat unduly, in order to correspondingly increase the profit. This, of course, does not apply to the honest contractor any more than it applies to the self-respecting architect, but the different standard set in the two professions somewhat obscures the issue in the case of the builder, and it is not always possible to expect from him professional standards such as are expected of members of an acknowledged profession. One solution of this is a contract based, for instance, upon 'cost plus ten per cent.' of profit, with an estimated outside contract price guaranteed by the contractor, and then an added proviso giving him an extra five per cent. upon all saving in the total cost of the building made below his estimated price—thus giving him fifteen per cent. profit on the money he saves the owner, and ten per cent.



on the amount of the owner's money that he expends. There remains a perfectly reasonable objection to this in that it does not seem as easily and thoroughly to protect both the owner and the contractor as does the 'cost plus a fixed sum' theory—when it is to the contractor's interest to complete the building as economically as possible, especially so far as regards the time consumed in building. Many owners, however, do not believe themselves to be protected sufficiently under such a contract from the cost running in excess of that estimated; and for their protection the form suggested above is sometimes desirable."

The main objection offered to the "cost plus a fixed sum" plan comes from the builder who contends, with some justice we believe, that this method not only favors unduly the established firm, but operates to do away with "healthy" competition. From the view-point of the building owner and architect the "cost plus a fixed sum" arrangement, with an estimated outside contract price to be guaranteed by the contractor, would seem to be as nearly a perfect solution of the contract problem as human ingenuity is able to devise. Whether it will be generally or even extensively adopted is, however, another question. The competitive idea is too deeply rooted among the fixed institutions of the present day to be lightly supplanted. Notwithstanding which fact, there is no lack of evidence to show that the newer idea is gaining friends as well as finding advocates among the better element of contracting concerns, architects and owners.

### GOOD THINGS DOWN FOR FORTH-COMING NUMBERS OF "THE GUIDE."

"Guide" readers who have expressed themselves as charmed by the recent articles on "Modern English Domestic Architecture" and "The Decorative Quality of Tile," in these pages, will be delighted to hear that a number of such features are in process of preparation for forthcoming numbers.

One of the earliest of these to make its appearance will be a carefully written paper on the subject of "Wall Boards," describing all the well-known makes of this very serviceable material, the variety of uses to which it is adapted and the principal merits of each of a group of well-known brands. The article will be tastefully illustrated and should prove of more than passing interest. Papers on "Composition Roofing," "Bath Room and Lavatory Equipment and Accessories," "Heating Systems," and "Modern Store Front Construction" are among features down for publication in the near future. Manufacturers of specialties in the lines mentioned are invited to send "The Guide" descriptive literature covering their products. Address Editorial Department, "The Builders' Guide," Perry Building, Philadelphia.

### FIREPROOF CONSTRUCTION AND THE SMALL HOUSE.

In an article, in the current number of the "Saturday Evening Post," under the heading, "How to Beat the Building Game," Mr. Benjamin A. Hofes has some interesting advice to give the man of ordinary means who wants to build in fireproof construction.

"Remember," writes Mr. Howes, "that fireproof construction means fireproof interior structure! A plaster surface and asbestos roof would doubtless protect you if a terrible prairie fire, carrying brands on its hot breath, were to sweep your green suburban fields—but not otherwise. The real fire risk, which in nine-tenths of the cases is a matter of electric wires or heating-plants or careless matches, is very small in the little house, where the electric wiring and the heat piping are confined to a small space, and where the nose of the good housewife is always attuned to the smell of smoke.

"Many plans and estimates for the small house of hollow tile or concrete exterior are extant in which the floor and partitions are of wood. Needless to say, this construction may be chosen by the owner for its outside appearance or understanding that, without unburnable floors and partitions, the small hollow-tile house has little advantage over wood as regards fire. The house entirely of hollow tile, including floors, with stucco surface, is attractive, unburnable, and in the neighborhood of New York not so very much more costly than wood—say ten per cent.; though in the South or far New England it may run to an increase of forty per cent. If, however, it is a question of sacrificing, say, the best plumbing and heating, extra fireplaces or service conveniences or needed dimensions, I should advise—in a small house—giving up the unburnable quality and getting the extra comforts. The vaunted 'no repairing required' of stucco is, of course, advertising license—since the stucco inevitably requires attention in a few years. An acquaintance who has built, for seven thousand dollars, in a Massachusetts town, a well-equipped and roomy shingle house, twenty-five by forty feet in dimensions, assures me that for the fifteen hundred dollars saved by giving up the hollow-tile house he had originally planned on the same lines he has two extra bathrooms, a portable garage and an electric washing-machine!

"Of the exterior stucco—cement plaster—on wooden lath, with wood interior, often referred to as 'the concrete house,' I would say to the small builder: 'Stop, look and listen!' In any except the mildest, driest climate it begins at once to disintegrate. It has no fireproof quality, of course—except against the prairie fire—and has no other advantage over good wood construction; and it is, in fact, much less lasting. It is, indeed, regrettable that, by the careless use of the terms 'concrete' and 'cement' for these flimsy houses, many people have invested their modest means in the expectation of getting the permanent and indestructible concrete.

"The pretty wooden house, well kept up, with its large dimensions, will prove as satisfactory and as salable as any other with an expenditure of under ten thousand dollars. It fills the requirements of a suburban house that is to be lived in almost all the year round, but is not meant for a family home—stead of permanence."

If this be not rank heresy it comes so close to it that the line of differentiation is difficult to perceive. What, may we ask, has the architectural fraternity to say to this ruthless iconoclast? What have the cement and the concrete and the stucco enthusiasts to say? What answer maketh the fireproofing contingent? Shall such a palpable subversion of the accepted teachings of the structural elect be permitted to pass unchallenged?

"Under which king, Bezonian? Speak—or die!"

### ARCHITECTURAL NOTES.

(Continued from page 167.)

some of the matters touched upon would be made the special order of business at subsequent meetings.

When you do something big, Mr. Advertiser, seize the opportunity by the tail and let the trade know about it. As advertising this sort of thing can't be beaten. For example—a half-page ad carrying the simple announcement:

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Are you reading carefully "The Guide's" "Construction News"?

The Construction News printed in "The Guide" isn't newspaper twaddle or unverified rumor. It is carefully gathered, carefully edited, carefully verified and authoritative advance news. Every item is a straight tip—and a business opportunity to the man with something to sell.

"The Guide" doesn't pretend to cover the universe nor does it profess to be a trustee of Providence, but it circulates 5,000 copies every week to men with a direct interest in building and has the satisfaction of knowing that it is making money for its advertisers.

"The Guide's" editorial page presents ideas without snobbery.



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To architects, builders and building owners who have not yet familiarized themselves with the "Sun Burst" system of vault lighting this prism will prove a revelation. Its design is such that while perfectly secure, strong and attractive on its upper or street surface, it presents beneath a continuous and almost unbroken surface of glass, eliminating the usual ugly iron and cement under finish associated with other types of prism construction, while immensely multiplying the volume of daylight thereby transmitted. These prisms bear a uniformly distributed load of 300 pounds to the square foot, are laid in such a way as to be safe, strong and secure; can be used for any purpose where other types of vault lights are admissible, and are almost wholly free of the ugly shadows associated with the common type of prism. Architects are invited to write the Sun Burst Company, whose offices are at 243 South Tenth street, Philadelphia, for a copy of the company's new illustrated descriptive booklet.

### Architect's Filing Cassettes:

Architects who are interested in a cabinet specially adapted for the filing of catalogues, booklets and other descriptive literature necessary to the busy practitioner will find it advisable to drop a line to the Globe-Wernicke Company, Cincinnati, Ohio, which specializes in this class of office equipment, for a copy of that concern's new catalogues. The Globe-Wernicke Company makes these cabinets in both steel and wood in a wide range of attractive designs.

### Globe Ventilators:

The subject of ventilation, once considered wholly as a health safeguard, has in the light of present-day affairs come into renewed interest upon its more modern side—that of a factor for increased efficiency. Investigators have discovered that the well-lighted, well-ventilated factory or workroom actually pays for itself many times over in the increased volume and improved grade of work obtainable from employees under the new conditions as contrasted with the foul, dark and cramped working quarters of an older era. The Globe Ventilator Company, of Troy, N. Y., makes a line of ventilating apparatus that merits the attention of building owners interested in the question of improving working conditions. Illustrated descriptive literature will be furnished on request to persons so interested.

### The Master Builder's Method:

The Patent Office on December 26th granted a patent on a process by which a cement floor or structure may be resurfaced, the new surface being bonded perfectly to the original structure, this being accomplished by the use of a coating made up in part of a finely ground metallic powder. The process, known as the Master Builder's Method, and which is controlled by the Master Builders Company, of Cleveland, Ohio, is described as an invention not only of great scientific moment, but of practical every-day value. By the use of this material, cement floors that have worn down in places, leaving holes and ruts, can be successfully patched or new floors laid wear-proof, dust-proof and water-proof. It is stated that in many factories, breweries, laboratories, warehouses, etc., where the Master Builder's Method has been adopted, it has been styled a method of "Armor-plating" a floor. Literature giving detailed information will be sent readers free upon request.

### POPULAR PRIZE CONTESTS FOR JOURNEYMEN AND APPRENTICES.

The National Association of Sheet Metal Contractors, at the convention to be held in St. Louis, June 10 to 14, 1912, will introduce a prize contest for journeymen and apprentices, the contestant to exhibit any sheet metal article or novelty of his own design and workmanship, the intention being to show his skill as a mechanic. There will be about sixty prizes, divided into three classes: Class A, for apprentices attending trade school; Class B, for apprentices who do not attend trade schools, and Class C, for journeymen. At the request of the St. Louis Convention Executive Committee, the Master Tin and Sheet Metal Workers' Association, of Philadelphia, will take charge of the contest in Class A. The rules governing the contest in this class may be obtained through trade school instructors or employers, or from the apprentice prize committee of the National Association of Sheet Metal Contractors, 261 South Fourth street, Philadelphia, Pa.

The prizes offered are as follows:

Class A—First grand prize, gold watch, \$50. The other prizes for the first, second and third years are: 1, Leather case equipment of sheet metal tools; 2, mechanical drawing outfit; 3, pocket case drawing instruments; 4, set of mechanical text-books; 5, pocket case drawing instruments; 6, pocket case drawing instruments; 7, professional draw-

(Continued on page 172.)



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### SEALED PROPOSALS.

#### TREASURY DEPT.,

Office of Supervising Architect,  
Washington, D. C., Feb. 23, 1912.

SEALED PROPOSALS will be received in this office until 3 o'clock P. M. on the 4th day of April, 1912, and then opened, for the construction, complete (including plumbing, gas piping, heating apparatus, electric conduits and wiring, and interior lighting fixtures), of the United States post office at Steelton, Pa. The building is to be one story and basement with a ground area of approximately 4,700 square feet, fireproof first floor, stone facing and tin roof. Drawings and specifications may be obtained from the custodian of site at Steelton, Pa., or at this office, at the discretion of the Supervising Architect.

JAMES KNOX TAYLOR,  
Supervising Architect.

#### TREASURY DEPARTMENT,

Office of the Supervising Architect,  
Washington, D. C., February 26, 1912.

SEALED PROPOSALS will be received at this office until 3 o'clock P. M. on the 8th day of April, 1912, and then opened, for the construction (including plumbing, gas piping, heating apparatus, electric conduits and wiring, and interior lighting fixtures) of the United States post office at Westerly, R. I. The building is to be approximately 4,400

square feet in ground area, one story and basement, with granite facing to first floor and marble facing above, tile and copper roof; the building is to be fireproof throughout, except the roof. Drawings and specifications may be had from the custodian of the site at Westerly, R. I., or at this office, at the discretion of the Supervising Architect.

JAMES KNOX TAYLOR,  
Supervising Architect.

### REAL ESTATE TRANSFERS.

Summary for week ending March 2nd, 1912:

Number of transfers.....	487
Amount of transfers.....	\$2,480,116.00
Cash consideration .....	309,185.23
Mortgage consideration .....	2,170,930.77
Ground rent consideration.....	4,974.00
Which on a six per cent. basis amounts to .....	82,900.02

### Popular Prize Contests for Journeymen and Apprentices.

(Continued from page 170.)

ing table; 8, sterling drawing table; 9, pocket case drawing instruments; 10, pocket case drawing instruments; 11, text-book; 12, drawing board and T square; 13, text-book; 14, two years' subscription trade magazine; 15, one year's subscription trade magazine.

It is also probable that a class cup will be awarded for the year to the class obtaining the highest net average, and any class winning the cup three years in succession shall retain it permanently.

Class B, consisting of the unorganized apprentices—Cash prizes as stated in printed rules governing the contest.

Class C, consisting of journeymen sheet metal workers—Cash prizes as stated in the printed rules governing the contest.

The contest closes June 1, 1912. The contestants will be under no expense except transportation charges for their exhibits. Notice of intention to forward an exhibit should be sent to Otto E. Cluss, secretary, 2405 South Jefferson avenue, St. Louis, Mo., not later than May 1, 1912.

### MORE OR LESS PERSONAL.

M. L. Kast, architect, of Harrisburg, Pa., announces the removal of his offices to the Commonwealth Trust Building.

\* \* \*

Mr. Edwin E. Pruitt, architect, Columbus, O., announces his removal to the Hartman Building. He desires to receive manufacturers' catalogues and samples.

\* \* \*

Mr. Edward G. Garden, architect, formerly in practice in St. Louis, Mo., announces his removal to San Francisco, Cal., where he has opened offices in the Phelan Building and will be glad to receive manufacturers' catalogues and samples.

Are you aware that "The Guide" prints every week more real, live, readable, up-to-the-minute stuff about architecture and building than any two of its more pretentious con-

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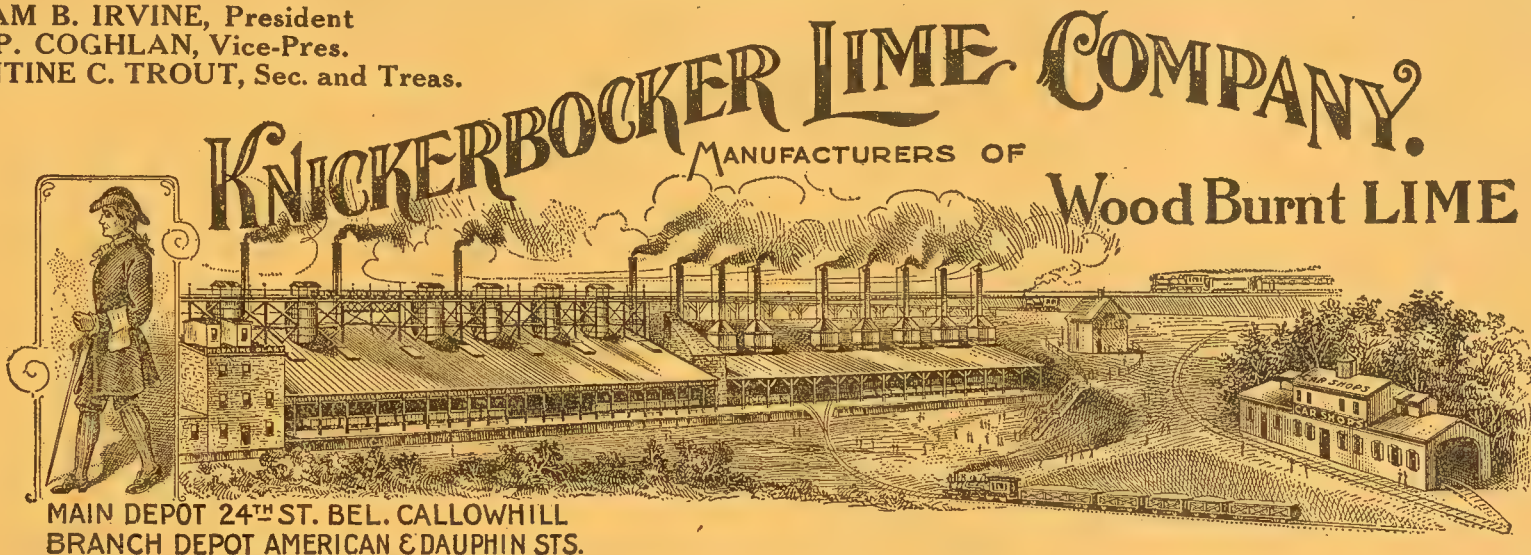
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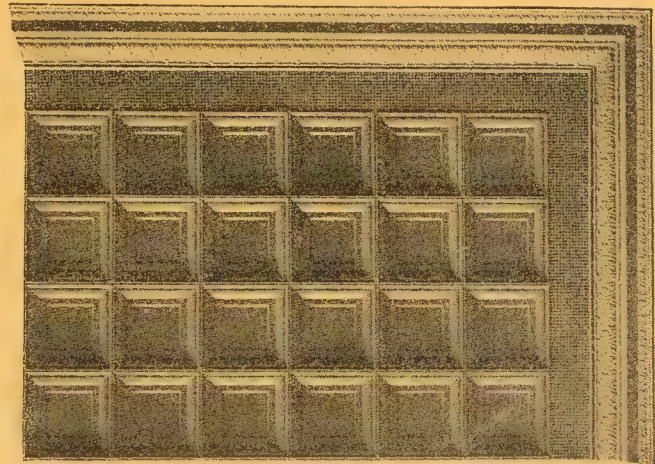
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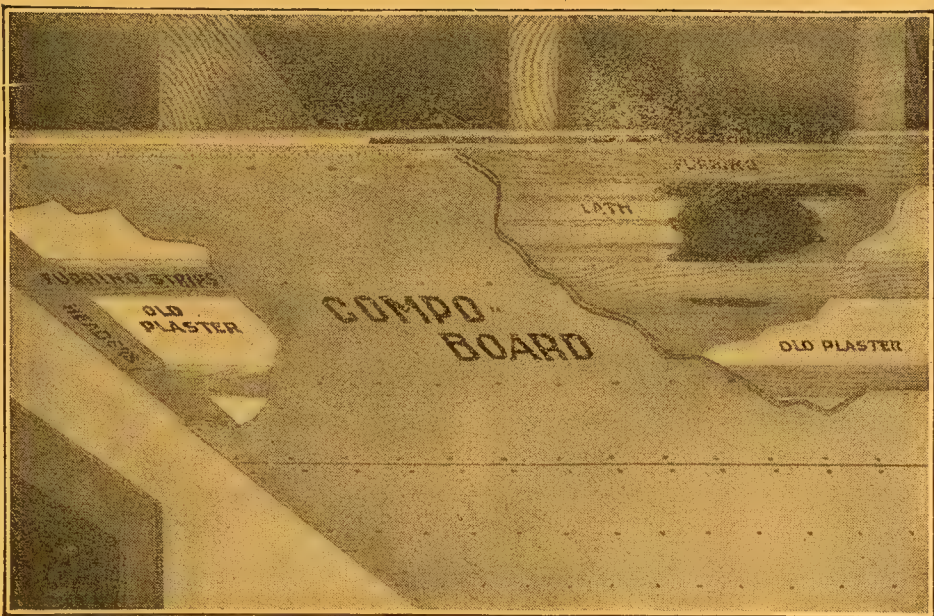


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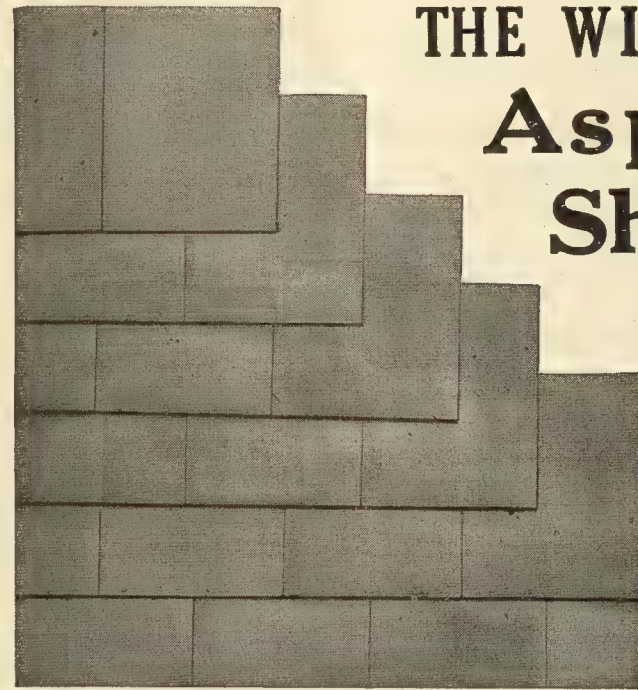
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PHILADELPHIA, WEDNESDAY, MARCH 13, 1912.

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## Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Theatre (alt. and add.),** 5206-08 Market street. Architects, Stuckert & Sloan, Crozer Building. Owner, Grand Amusement Co., on premises. Remodeling, two story, brick. Architects have received bids.

**Residence (alt. and add.),** Sumac street, Wissahickon, Philadelphia. Architect, H. Miller, Crozer Building. Owner, Rev. G. F. Nelson, care of architect. Stone, two and one-half stories, hardwood floors, tile roof, electric lighting, 25x40 feet. Plans completed. Architect will take bids in a few days.

**Residence (alt. and add.),** Fort Washington, Pa., \$6,000. Architect, Ralph E. White, Pennsylvania Building. Owner, William McAdoo, Fort Washington, Pa. Consists of interior alterations. Architect taking bids, due March 14. The following are figuring: Jacob Myers & Sons, Witherspoon Building; H. Specht, Willow Grove, Pa.; William H. Eddleman, 453 Green lane, Germantown; A. Whitehead, 1624 Latimer street.

**Houses (40), Stores and Apartments,** West Philadelphia, Pa., \$100,000. Architect, E. Allen Wilson, 1208 Chestnut street. Owners, The Model Building Co., Fifty-eighth and Christian streets. Brick, two stories, slag roof, electric light, steam heating. Plans completed. Owners taking bids.

**Store Building (add.),** 207-209 Callowhill street. Architects, Koelle-Speth Co., Twenty-sixth and Oxford streets. Owner, Fred Stein, on premises. Brick, steel and concrete, four stories, 35x20 feet, slag roof. Architects have received bids.

**Pier,** Gloucester, N. J., \$100,000. Architect, James Knox Taylor, Washington, D. C. Owners, U. S. Government, Immigration Station, Gloucester, N. J. Concrete and steel, 300x400 feet. Owners taking bids, due March 21. The following are figuring: Armstrong & Latta, Land Title Building; Guernsey & O'Mara, North American Building; W. S. P. Shields, Witherspoon Building.

**Residence,** St. Davids, Pa. Architects, Zant-zinger, Borie & Medary, Fifteenth and Walnut streets. Owner, A. G. Rosengarten, 2211 Delancey street. Preliminary plans in progress.

**Factory (alt. and add.),** 415 North Orianna street. Architects, Anderson & Haupt, Drexel Building. Owner, A. Waxman, on premises. Brick, four stories, 7x180 feet, slag roof, electric lighting, steam heating. Owner has received bids.

**Hotel,** Wildwood, N. J. Architect, H. E. DeHoff, 48 South Sixty-first street. Owner's

name withheld. Brick and terra cotta, five stories, 100x216 feet, electric lighting, slag roof, steam heat, hardwood floors. Plans completed. Architect will take bids in a few days.

**Factory (add.),** 118-120 North Fifth street. Architect, Carl P. Berger, 14 South Penn Square Building. Owner, C. H. Rump & Son, Inc., Fifth and Cherry streets. Brick and concrete, eight stories. Addition to present factory. Too early for details. Plans not yet started.

**Residence (alt. and add.),** Toughkenamon, Pa. Architects, Savery, Sheetz & Savery, Stephen Girard Building. Owner, G. Walter Sharpless, on premises. Stone, frame, terra cotta, two and one-half stories, addition 20x32 feet, electric lighting, hot water heating. Plans in progress.

**Residence (alt. and add.),** Moorestown, N. J. Architects, Savery, Sheetz & Savery, Stephen Girard Building. Owner, Henry T. Brown, on premises. New bath rooms, laundry, kitchen and porches. Owner taking bids.

**Hotel (alt. and add.),** Twenty-fourth and Chestnut streets. Architects, Duhring, Okie & Zeighler, Bailey Building. Owners, Fairview Hotel, on premises. Brick, four stories, new front. Architects have received bids.

**Banking Room (alt. and add.),** Twelfth and Girard street. Architect, J. T. Windrim, Commonwealth Building. Owners, Continental Equitable Title and Trust Co., Stephen Girard Building. Stone, frame and bronze, electric lighting, steam heating, hardwood floors. Architect has received bids.

**Residence,** Narberth, Pa. Architect, private plans. Owners, J. F. Ketcham. Stone and plaster, two and one-half stories, 25x35 feet, electric light, steam heat. B. Ketcham, 1029 Brown street, taking sub-bids.

**Store and Apartments,** Oak Lane, Philadelphia. Architect, C. W. Gilmore, 6603 North Eleventh street. Owner, E. L. Clopp, 1633 Spruce street. Brick, two and one-half stories, 35x54 feet, tin and slag roof, electric light, steam heat. Owner has received bids.

**Hotel,** Northeast corner Thirteenth and Filbert streets, \$500,000. Architects, Esenwein & Johnson, 775 Ellicott square, Buffalo, N. Y. Owner, Charles H. Vendig, care of I. Hecht, Bailey Building. Tapestry brick, stone, terra cotta, fireproof, twelve stories, 95x95 feet, electric light, steam heat, slag roof, tile roof. Revised plans in progress.

**Apartments (alt. and add.),** Seventeenth and Wharton streets. Architect, C. E. Rahn,

410 Walnut street. Owner, J. H. Cassedy, Seventeenth and Wharton streets. Brick, three stories, slag roof, electric lighting, steam heat. Architect taking revised bids, due March 13. The following are figuring: Geo. Hogg, 1634 Sansom street; Mowbray & Sons, 1614 McKean street; Owen Fogarty, 1918 Cherry street.

**Residence (alt. and add.),** West Philadelphia, \$3,000. Architect, Ralph White, Pennsylvania Building. Plans in progress.

**Residence,** Overbrook, Philadelphia. Architects, Thomas, Churchman & Molitor, 1309 Walnut street. Owner, Mrs. M. S. McMichan, The Rittenhouse, Twenty-second and Chestnut streets. Stone, three stories, shingle roof, steam heat, electric light. Architects taking revised bids, due March 15. The following are figuring: A. L. Fretz & Son, 1222 Chancellor street; A. James, Bala, Pa.; Metzger & Wells, Heed Building; J. E. Kearney, 327 North Sixty-third street; Stokes Bros., Rosemont, Pa.; F. W. Van Loon, Denckla Building.

**Residence,** St. Martins, Philadelphia. Architect, George U. Rehfuß, 1524 Chestnut street. Owner, A. C. Holmes, care of architect. Brick and plaster, two and one-half stories, 60x56 feet, shingle roof, electric lighting, hot air heating. Architects taking bids, due March 14. The following are figuring: J. S. Wilson, 1125 Brown street; T. C. Trafford, 1613 Sansom street; McClintock & Weaver, 24 Phil Ellena street; A. P. Simpson, 435 Winona street; A. R. Raff, 1635 Thompson street; E. J. Kreitzburg, Broad and Arch streets; William R. Dougherty, 1608 Sansom street; W. J. Stevens, Wyncote, Pa.; F. B. Davis, 35 South Seventeenth street.

**Factory Building,** Bristol, Pa. Architect, C. T. Main, engineer, Boston, Mass. Owner, William H. Grundy & Co., Bristol, Pa. Brick and concrete, steel, fireproof, one, two and three stories, electric lighting, slag roof, steam heating. Owners taking bids, due March 21. J. E. & A. L. Pennock, Land Title Building, are figuring.

**Lodge Building,** 309 West Main street, Lansdale, Pa. Architects, Ralph Schofenacker & S. S. Conyer, Lansdale. Owner, Shiloh Lodge, No. 553, T. and A. M. Lansdale, Pa. Brick, three stories, 85x55 feet, electric lighting, steam heating, slag roof. Architects taking bids, due March 15. Metzger & Wells, Heed Building, are figuring.

**Flat House (alt. and add.),** West Philadelphia, \$10,000. Architect, Ralph E. White,



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Pennsylvania Building. Owner's name with-  
held. Consists of fire towers and interior al-  
terations. Plans in progress.

Home (alt. and add.), 6300 Greene street,  
Germantown. Architects, Bunting & Shrigley,  
603 Chestnut street. Owners, Friends Board-  
ing Home, on premises. Brick, two stories,  
slag roof, electric light, steam heat. Archi-  
tects taking bids, due March 14. H. C. Rea,  
711 North Fifteenth street; J. W. Fretz, Thir-  
teenth and Medary streets, are figuring.

Residence, Willow Grove, Pa. Architect,  
H. L. Reinhold, Tenth and Sansom streets.  
Owner's name withheld. Frame, two and one-  
half stories, 25x25 feet, shingle roof, electric  
lighting, hot air heating. Plans in progress.

Bakery and Stable, Troy, N. Y. Architect,  
Charles Balderson, 411 Walnut street. Own-  
ers, Charles Feihofer, Troy, N. Y. Brick, two  
stories, 200x200, slag roof, electric lighting,  
steam heating. Architect taking bids, due  
March 20. The following are figuring: A.  
Whitehead, 1624 Latimer street; Neal Bros.,  
Troy, N. Y.; Meary Bros., Cohoes, N. Y.; J.  
Dooley, Cohoes, N. Y.; P. Haibach, Twenty-  
sixth and Thompson streets; J. E. Ellis, Troy,  
N. Y.; James Dollard Co., Troy, N. Y.

Church and School, Frackville, Pa. Archi-  
tect, H. Dagit, 411 Walnut street. Owners,  
St. Joseph's R. C. Church, Frackville, Pa.  
Brick, two stories, 75x50 feet, slate roof,  
electric lighting, steam heating. Plans com-  
pleted. Architect ready for bids.

Warehouse (add.), Twenty-first and Wash-  
ington avenue. Architect, private plans.  
Owners, John Wanamaker, care of Wm. Had-  
dock, Mechanical Department, Thirteenth and  
Market streets. Brick, steel and concrete,  
one and four stories, 131x396 feet, electric  
lighting, steam heating, slag roof. Owners  
has received bids.

Residence, Park and Medary avenues. Ar-  
chitect, Lawrence Clark, 1001 Witherspoon  
Building. Owner, Katherine Murphy, care of  
architect. Frame, two and one-half stories,  
30x61 feet, shingle roof, electric lighting,  
hardwood floors, steam heating. Architect  
has received revised bids.

Post Office, Steelton, Pa. Architect, James  
Knox Taylor, Washington, D. C. Owners,  
U. S. Government, Treasury Department,  
Washington, D. C. Stone, one story and base-  
ment, 57x90 feet, electric light, steam heating,  
tin roof. Owners taking bids, due April 4.  
J. E. & A. L. Pennock, Land Title Building;  
J. W. Emery, 1524 Sansom street, are figuring.

Bank Building, Columbia, S. C. Architect,  
J. A. Edwards, Atlanta, Ga. Owners, Union  
National Bank, Columbia, S. C. Brick, stone,  
terra cotta, fireproof, eleven stories, 56x103  
feet, electric lighting, steam heating, slag  
roof, hardwood floors. Architect received bids  
March 9.

Factory (add.), Second and Cooper streets,  
Camden, N. J. Architects, Ballinger & Per-  
rot, 1211 Arch street. Owners, Victor Talk-  
ing Machine Co., Camden, N. J. Five addi-  
tional stories over power plant, 172x72 feet,  
brick and concrete, terra cotta, slag roof.  
Architect taking bids, due March 14. The  
following are figuring: Irwin & Leighton, 126  
North Twelfth street; Cramp & Co., Denckla  
Building; Doyle & Co., 1519 Sansom street;  
W. W. Lindsay & Co., Harrison Building; P.  
Haibach Contracting Co., Twenty-sixth and

Thompson streets; Ferro-Concrete Construc-  
tion Co., Cincinnati, Ohio.

Apartment House, Ventnor, N. J., \$10,000.  
Architect, E. Allen Wilson, 1208 Chestnut  
street. Owner, J. J. Cassady, Ventnor, N. J.  
Brick, two stories, electric lighting, steam  
heating, slag roof. Plans in progress.

Residence (alt. and add.), Merchantville,  
N. J. Architect, George T. Pearson, 427 Wal-  
nut street. Owner, J. E. Burroughs, on prem-  
ises. Stone, frame and shingle, two and one-  
half stories addition, 50x49 feet, shingle and  
tin roof, electric light, vapor vacuum heat.  
Architect taking bids, due March 15. The  
following are figuring: Roydhouse, Arey &  
Co., Fidelity Building; F. Elvidge & Son, 5522  
Germantown avenue; M. T. James, Merchant-  
ville, N. J.; F. A. Havens & Co., 845 North  
Nineteenth street; J. E. Walt, 204 East Wil-  
low Grove avenue; J. E. & A. L. Pennock,  
Land Title Building; J. S. Cornell & Son,  
Land Title Building; Boyer & Lewis, 307 Mar-  
ket street, Camden, N. J.

Factory Building, Long Island City, N. Y.  
Architects, Harris & Richards, Drexel Build-  
ing. Owners, General Vehicle Co., Long Is-  
land City, N. Y. Brick and concrete. Plans  
in progress. Too early for details.

Synagogue, Fifty-fourth and Sansom streets  
Architects, Anderson & Haupt, Drexel Build-  
ing. Owners, the Hebrew Congregation of  
West Philadelphia, care of B. Goldstein, 233  
South Fifth street. Brick, stone, one story,  
and basement, 25x80 feet, electric light, slag  
roof, steam heating. Owners taking bids.

Store and Dwelling, 422 South Fifth street.  
Architects, Anderson & Haupt, Drexel Build-  
ing. Owner, S. Harris, on premises. Brick,  
three stories, 18x67 feet, slag roof, electric  
light. Plans in progress.

High School, Mt. Vernon, N. Y. Architects,  
Goldwin, Starrett & Van Velek, New York.  
Owners, Board of Education, Mt. Vernon,  
N. Y. Brick, stone and terra cotta, three  
stories, 316x80 feet, slag roof and slate, elec-  
tric lighting, steam heating. Owners taking  
bids, due March 25. Metzger & Wells, Heed  
Building, are figuring.

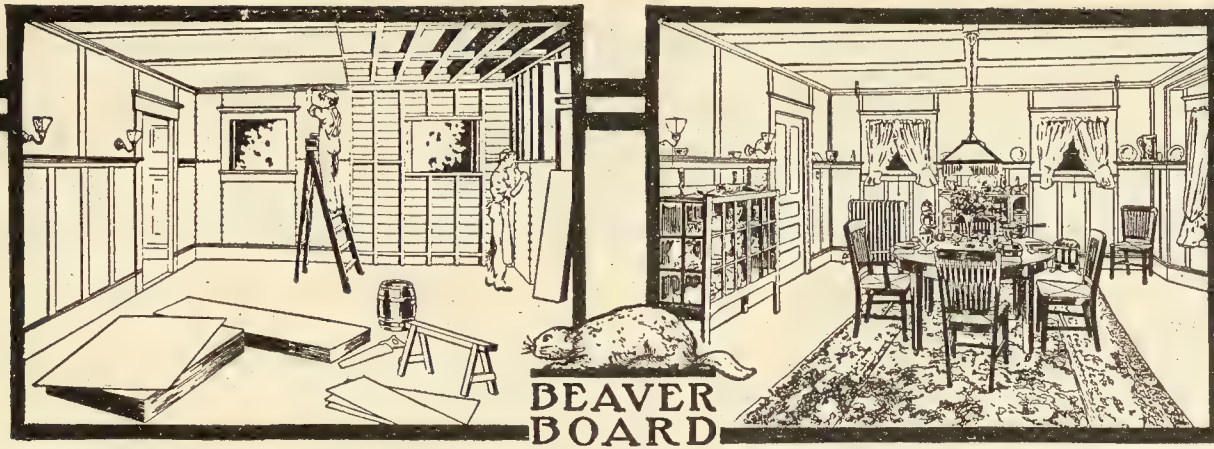
Residences (16), between Louder and Men-  
tor streets, Philadelphia. Architect, C. W.  
Gilmore, G and Godfrey streets. Owner, Wil-  
liam Caldwell, 14 South Broad street. Brick,  
two stories, 15x45 feet, electric lighting, hot  
air heating, slag roof. Owners to take sub-  
bids.

Church, Fox Chase, Philadelphia. Archi-  
tects, Henon & Boyle, 14 South Broad street.  
Owners, St. Cecilia's R. C. Church, Philadel-  
phia. Stone, one story, 60x130 feet, electric  
lighting, steam heating, slate roof. Archi-  
tects taking bids, due March 16. The follow-  
ing are figuring: M. L. Conneen, 315 South  
Twentieth street; B. W. O'Dea, Oak Lane,  
Philadelphia; John Doyle & Sons, 878 North  
Sixty-fourth street.

Residences (132), Kensington and Sedgley  
avenues. Architects, private plans. Owners,  
Solomon Greenberg, Morris Building. Brick,  
two stories, 14x45 feet, electric light, steam  
heat. Owners taking sub-bids.

Residences (8), Jasper and Cambria streets.  
Architects, private plans. Owner, Thomas  
Duff, 3648 Frankford avenue. Brick, two  
stories, 15x44 feet, hot air heat, slag roof.  
Owners taking sub-bids.





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**Houses (58)**, Totter street, between Ontario avenue and High street, Philadelphia. Architect, private plans. Owner, Geo. Edel, 835 E. Ontario avenue. Brick, two stories, 14x38 feet, slag roof, electric light, hot air heating. Owner taking sub-bids.

**Post Office**, Massillon, Ohio. Architect, J. Knox Taylor, Washington, D. C. Owners, U. S. Government, Treasury Department, Washington, D. C. Stone, one story, 62x79 feet, electric light, tin roof, steam heating. Owners taking bids, due March 29. J. E. & A. L. Pennock, Land Title Building; J. W. Emery, 1524 Sansom street, are figuring.

**Post Office**, Oak Lane, Philadelphia. Architects, Lee & Gilmore, 1003 Spruce street. Owner's name withheld. Brick, two stories, two suites of apartments, 30x60 feet, slag roof, electric lighting, steam heating. Architects have received bids.

**Residence**, Oak Lane. Architect, E. B. Lee, 6603 North Eleventh street, Oak Lane. Owner, E. L. Taylor, Oak Lane Park, Philadelphia. Stone and rough cast, two and one-half stories, 30x45 feet, slate roof, electric lighting, steam heating. Architect taking bids, due March 14. The following are figuring: Frank R. Hill, Oak Lane, Philadelphia; John Brough, Oak Lane; Morrow & Johnson, Oak Lane; Lord & Read, Fern Rock, Philadelphia; C. E. Lloyd, Oak Lane; Wilson Milner, Frankford; F. Gaupner, Logan, Pa.; S. W. Cook, Olney, Pa.; Charles H. Eckerman, 2126 North Nineteenth street; F. & L. Davis, Fern Rock, Philadelphia.

**Apartment House**, West Philadelphia, \$60,000. Architect, E. Allen Wilson, 1208 Chestnut street. Owners, Messrs. Brown and Leonard, 21 North Fifty-second street. Brick, 124x99 feet, three stories, eighteen suites of apartments. Plans in progress.

**Church**, Fortieth and Powelton avenue.

Architect, A. A. Ritcher, Lebanon, Pa. Owners, St. Stephen's Evangelical Lutheran Church, Fortieth and Powelton avenue. Stone, one story 75x100 feet, slate roof, electric lighting, steam heating. Plans completed. Architect ready for bids.

**Digester Building**, Atlantic City, N. J. Architect, W. H. Gibson, Harrison Building. Owner, Atlantic City Product Company, on premises. Concrete, steel and brick, one story, 65x97 feet, iron and slag roof. Architect taking bids, due March 18. The following are figuring: E. I. Bader, Atlantic City, N. J.; William Steele & Sons, Sixteenth and Arch streets; H. E. Baton, Tenth and Sansom streets; P. J. Hurley, 1233 Cherry street; Turner-Forman Concrete Steel Company, 1314 Arch street.

**Cottage**, Atlantic City, N. J. Architect, Le Roy B. Rothschild, 418 Walnut street. Owner, J. Taplinger, 48 North Sixth street. Frame, two and one-half stories, 26x48 feet, slate roof, hot water heating, (electric lighting reserved). Architect taking bids, due March 13. The following are figuring: Alex. Chambley, 243 South Tenth street; Hampton-McCloskey Company, 608 Chestnut street; Wilbert Beaumont, Atlantic City, N. J.; F. J. Pedrick, Atlantic City, N. J.; Daniel Knauer Company, Atlantic City, N. J.; E. E. Smith, Atlantic City, N. J.

**Houses (7)**, Ridley Park, Pa. Architect, Roger Headock, City Hall, Philadelphia. Owner, Headock & Turner, Betz Building. Brick, hollow tile, stucco, two and one-half stories, electric lighting, steam heating, slate roof. Plans in progress. Owner to take bids.

**Residences (3)**, **Garages (3)**, Atlantic City, N. J. Architect, J. P. Klenges, Jr., 920 Witherspoon Building. Owner's name withheld. Brick, frame, stucco, two and one-half stories, 28x40 feet. Garages, 18x20 feet, slate roof,

electric light, hot water heat. Architect taking bids, due March 20. The following are figuring: H. E. Baton, Tenth and Sansom streets; Metzger & Wells, Heed Building; J. Myers & Sons, Witherspoon Building; M. W. Young, Overbrook, Philadelphia; E. S. Smith, Ventnor, N. J.; P. Hannum, Atlantic City; Knauer Construction Company, Atlantic City, N. J.; W. S. Higbee, Atlantic City, N. J.

**Warehouse**, Rosslyn, Va. Architects, Balingier & Perrot, 1211 Arch street. Owner, Hires-Turner Glass Company, 230 South Thirtieth street. Brick, one story, 150x208 feet, slag roof, electric lighting, steam heating. Owners have received bids.

**Parish House**, Thirty-second and Master streets. Architect, Otto C. Wolf, Denckla Building. Owners, Bergner & Engel Brewing Company, on premises. Brick, two stories, 66x78 feet, electric lighting, slag roof. Architect taking bids, due March 15. The following are figuring: E. E. Hollenbach, Fifteenth and Race streets; A. R. Raff, 1635

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Thompson street; M. Schmidt, 1308 North  
Sixth street.

**Machine, Power House and Factory** (alt.  
and add.), Thirteenth and Lehigh avenue.  
Architect and builder, William Steele & Sons  
Company, Sixteenth and Arch streets. Own-  
ers, C. H. Weeler Manufacturing Company, on  
premises. Brick and steel, two stories, 125x  
213 feet and 25x55 feet, slate roof, electric  
lighting, steam heating. Builders taking sub-  
bids, due March 16.

**Residence** (alt. and add.), 108 West Queen  
lane, Germantown. Architects, Morris & Er-  
skine, Crozer Building. Owner, Mrs. M. M.  
Hess, on premises. Brick and stucco, two and  
one-half stories; addition, 25x26 feet. Metal  
roof, interior alterations. Architects taking  
revised bids, due March 14th. The following  
are figuring: John Davies, 1218 Chestnut  
street; William H. Gruhler, 219 High street;  
N. M. Bean, 4911 Germantown avenue.

**Apartment House**, 1500-02 Pine street.  
Architects, McIlvain & Roberts, Land Title  
Building. Owners, McIlvain & Co., Land Title  
Building. Brick, concrete, steel, fireproof, ten  
stories, 40x130 feet. Slag roof, electric light-  
ing, steam heating. Plans in progress.

**Post Office Building** (alt.), Ninth and  
Chestnut streets. Architect, private plans.  
Owners, U. S. Government, care of William  
McCoach, custodian. Electric lighting, steam  
heating. Owners taking bids, due March 15th.  
The complete list of bidders is as follows:  
Burd P. Evans & Co., Thirteenth and Wal-  
lace streets; F. W. VanLoon, Denckla Build-  
ing; Charles McCaul Company, Tenth and  
Sansom streets; H. E. Baton, Tenth and San-  
som streets; William Ferguson & Sons, 405  
South Twenty-first street; Ed. Fay & Sons,  
1521 Ransstead street; W. J. Chase & Sons,  
Builders' Exchange.

**Residences** (2), St. Martins, Philadelphia,  
\$10,000 and \$15,000. Architects, McGoodwin  
& Hawley, 34 South Sixteenth street. Own-  
er, Dr. George Woodward, North American  
Building. Stone and stucco, two and one-  
half stories, 92x32 feet and 30x45 feet. Shin-  
gle roof, electric lighting, hot water heating,  
hardwood floors. Plans about completed.  
Architects ready for bids.

**Factory Building** (alt. and add.), Unity  
and Elizabeth streets. Architects, Stearns &  
Castor, Stephen Girard Building. Owner, the  
R. J. Ederer Thread Company, on premises.  
Brick, two stories, interior alterations. Arch-  
itects taking bids, due March 15th. H. E.  
Baton, Tenth and Sansom streets, is figuring.

**Telephone Exchange**, Cumberland, Md.  
Architect, J. T. Windrim, Commonwealth  
Building. Owners, Chesapeake and Potomac  
Telephone Company, Baltimore, Md. Brick,  
three stories, 35x71 feet. Electric lighting,  
steam heating, slate roof. Architect taking  
bids, due March 18th. H. L. Brown, 1714  
Sansom street, is figuring.

**Fire House**, Darby, Pa. Architect, H. M.  
Pedrick, Post Office Building, Darby, Pa.  
Owners, Darby Fire Co., No. 1, Darby, Pa.  
Brick, terra cotta, two stories, 93x42 feet.  
Slate roof, electric lighting, steam heating.  
Architect taking bids, due March 20th. Wil-  
liam R. Dougherty, 1608 Sansom street, is  
figuring.

**Residence**, St. Martins, Philadelphia. Arch-  
itects, McGoodwin & Hawley, 34 South Six-  
teenth street. Owner, R. R. McGoodwin,  
care of architect. Stone, three stories, 42x26  
feet. Hot water heating, electric lighting,

slate roof. Architects taking bids, due March  
18th. The following are figuring: T. C. Traf-  
ford, 1613 Sansom street; A. Whitehead, 1624  
Latimer street; J. H. Walters, 163 East Wal-  
nut lane.

**Y. M. C. A.**, Atlantic City, N. J. Architect,  
Horace Trumbauer, Land Title Building.  
Owners, Y. M. C. A., Atlantic City, N. J.  
Brick, stone, terra cotta, five stories, 54x93  
feet. Electric lighting, hot water heating,  
hardwood floors. Owners taking revised bids,  
due March 25th by the Secretary of the Build-  
ing Committee, 1307 Pacific avenue, Atlantic  
City. The following are figuring: Royd-  
house-Arey Company, Fidelity Building; Doak  
& Co., Crozer Building; J. E. & A. L. Pen-  
nock, Land Title Building; H. E. Baton, Tenth  
and Sansom streets; A. W. Reilly, Atlantic  
City, N. J.; Beard Construction Company,  
Reading, Pa.; P. G. Hannum, Atlantic City,  
N. J.; W. S. Beaumont, Atlantic City, N. J.;  
Amsterdam Fireproof Construction Company,  
Atlantic City, N. J.; Abacus Construction  
Company, Atlantic City, N. J.

**Loft Building**, 504-16 Locust street. Arch-  
itects, Stearns & Castor, Stephen Girard  
Building. Owners, the Locust Realty Com-  
pany, care of architects. Concrete, fireproof,  
six stories, 47x115 feet. Slag roof, electric  
lighting, steam heating. Architects taking  
bids, due March 21st. The following are fig-  
uring: A. R. Raff, 1635 Thompson street;  
Doak & Co., Crozer Building; H. E. Baton,  
Tenth and Sansom streets; Cramp & Co.,  
Denckla Building; J. N. Gill & Co., Heed  
Building; H. C. Rea Company, 711 North Fif-  
teenth street.

**Warehouse**, Forty-ninth and Market streets.  
Architect, E. Allen Wilson, 1208 Chestnut  
street. Owner's name withheld. Brick and  
concrete, five stories, 50x214 feet. Slag roof,  
electric lighting, steam heating. Plans in  
progress.

**Residence**, Moorestown, N. J. Architects,  
Price & McLanahan, Sixteenth and Walnut  
streets. Owner, F. Wallace Armstrong,  
Moorestown, N. J. Brick, hollow tile, stucco,  
25x70 feet. Slate roof, hardwood floors.  
Architects taking bids, due March 25th. The  
following are figuring: S. L. Mains, Moores-  
town, N. J.; J. S. Rogers Company, Stanwick,  
N. J.; George W. Shaner, Palmyra, N. J.; H.  
Walten, Moylan, Pa.

**College**, Salem, Va. Architect, Charles M.  
Robinson, Richmond, Va. Owners, Roanoke  
Woman's College, Salem, Va. Brick, stone,  
four stories, 136x84 feet. Slate roof, electric  
lighting, steam heating. Architect taking  
bids, due in a few days. Metzger & Wells,  
Heed Building, are figuring.

**Office Building**, northeast corner Seven-  
teenth and Arch streets. Architect, J. T.  
Windrim, Commonwealth Building. Owners,  
Bell Telephone Company, Twelfth and Arch  
streets. Brick, steel and concrete, fifteen  
stories. Slag roof, electric lighting, steam  
heating. Plans about completed.

### WILMINGTON, DEL.

**Residence**, Chestertown, Md., \$5,000. Arch-  
itect, William S. Evans, Jr., Equitable Build-  
ing, Wilmington, Del. Owner's name with-  
held. Brick, two and one-half stories, 30x30  
feet. Shingle roof, electric lighting, hot water



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**Residence**, Berlin, Md., \$4,000. Architect, William S. Evans, Jr., Equitable Building, Wilmington, Del. Owner's name withheld. Frame, two and one-half stories, 28x32 feet. Shingle roof, electric lighting, hot water heating. Plans completed. Architect ready for bids.

**Pavilion**, Grubbs Landing, Del., \$10,000. Architects, J. & M. Kennedy, Ford Building, Wilmington, Del. Owners, Delaware Saengerbund Society, on premises. Frame and brick, two stories, 77x147 feet. Shingle roof, electric lighting, hardwood floors, concrete piles. Plans completed. Architect ready for

bids in about one week.

**Residence**, Delaware City, \$7,000. Architect, R. C. Tindall, Equitable Building, Wilmington, Del. Owner, Mrs. Charles Jefferson, Delaware City, Del. Frame, two and one-half stories, 30x60 feet. Shingle roof, electric lighting, steam heating, hardwood floors. Architect taking bids, due March 19. Walter Thompson, Wilmington, Del., only bidder.

**Club House**, Beach and Vanburen streets, Wilmington, Del., \$20,000. Architects, J. & M. Kennedy, Ford Building, Wilmington, Del. Owners, Eleventh Ward Democratic Legion, Wilmington, Del. Brick and stone, three stories, 34x80 feet. Electric lighting, steam heating, tin roof. Plans in progress.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Store and Apartments (alt. and add.)**, Sixty-first and Market streets. Architect, H. E. DeHoff, 48 South Sixty-first street. Owner, J. H. Ivers, on premises. Brick, three stories, hard red brick, tile roof, electric light, steam heating. Contract awarded to Fisher & Skull, 6033 Market street.

**Store (alt. and add.)**, 4093 Lancaster avenue. Architect, private plans. Owner, S. N. Speakman, on premises. Brick, three stories. Contract awarded to J. Swartley & Co., 1325 Arch street.

**Office Building**, Crum Lynne, Pa., \$5,000. Architect, John I. Rogers, 929 Chestnut street. Owners, Eagan-Rogers Iron and Steel Co., 929 Chestnut street. Concrete and hollow tile, 36 feet 4 inchesx23 feet 4 inches, slag roof, electric lighting. Contract awarded to M. Monaghan, 214 South Twelfth street.

**School**, Lindley street, below Ninth and Hutchinson streets. Architect, J. H. Cook, City Hall. Owners, Board of Education of Philadelphia. Brick, three stories, 85x162 feet, electric light, slag roof, steam heat. Bids opened as follows: H. H. Wehmeyer, 1004 Lehigh avenue, \$149,368; P. J. Hurley, \$150,000; J. W. Emery, \$151,738; Cramp & Co., \$153,425; Mitchell Bros., \$156,200; R. C. Ballinger & Co., \$157,046; A. Whitehead, \$157,300; Wm. R. Dougherty, \$157,480; B. Ketcham Sons, \$157,765; A. Bottoms & Sons, \$158,987; H. C. Rea Co., \$159,230; David Peoples, \$156,825.

**Residence (alt. and add.)**, 115 South Twentieth street. Architect, Frank Seeburger, Pennsylvania Building. Owner, Mrs. M. M.

Jenkins, 1208 Spruce street. Brick, four stories, electric light, steam heating, tin roof, hardwood floors. Contract awarded to Stacey Reeves & Sons, 1611 Filbert street.

**Residence**, Haverford, Pa. Architects, Duh-ring, Okie & Zeighler, Bailey Building. Owners, Charles Wentz, 1727 Land Title Building. Stone and half timber, two and one-half stories, 43x39 feet, shingle roof, hardwood floors, electric lighting. Contract awarded to A. L. Fretz & Son, 1222 Chancellor street.

**Stores and Apartments**, Oak Lane, Philadelphia. Architect, private plans. Owner, Thomas C. Bernard, 1624 Sansom street. Brick, three stories, 26x45 feet, slag roof, electric lighting, steam heating. Contract awarded to George Hogg, 1634 Sansom street.

**Interior (alt. and add.)**, fifth floor Lafayette Building, Fifth and Chestnut streets. Architect, J. T. Windrim, Commonwealth Building. Owners, Stephen Girard Estate, Stephen Girard Building. Steam heating, new floors, electric lighting. Contract awarded to J. Myers & Sons, Witherspoon Building.

### WILMINGTON, DEL.

**Residences (4)**, Twenty-fourth and Madison streets, Wilmington, Del., \$12,000. Architect, R. C. Tindall, Equitable Building, Wilmington, Del. Owner, Mrs. L. E. Tindall, care of architect. Brick, two stories, 23x30 feet. Electric lighting, hot water heating, slate and slag roof. Contract awarded to Walter Thompson, Wilmington, Del.

## Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

William R. Rafferty (O), 3200 H street. Cost, 30,400. Nineteen two-story dwellings, 14x44 feet, Jasper and Cambria streets.

Pennsylvania Salt Manufacturing Company (O), Greenwich Point. Hennebique Construction Company (C), Real Estate Trust Building. Cost, \$25,000. One four-story labora-

tory, 34x64 feet, Shunk and Wecacoe streets.

William R. Bricker (O), 501 Land Title Building. G. M. Bricker (C), 117 South Forty-sixth street. Cost, \$18,000. Six three-story apartments, 48x86 feet, Forty-fourth and Walnut streets.

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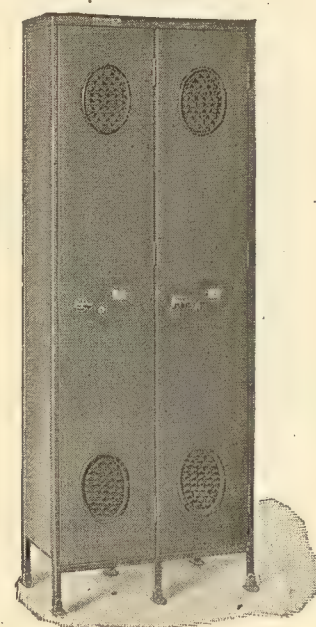
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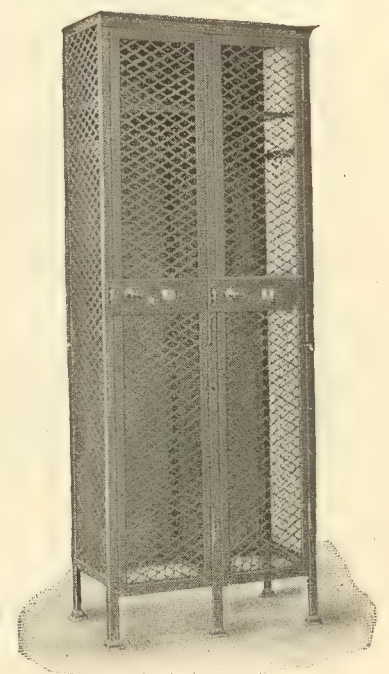
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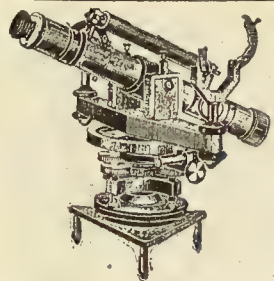
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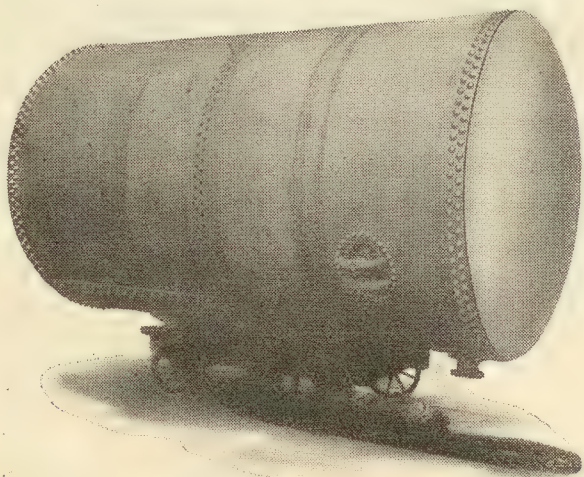
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# Trade News and Gossip

Cullings from the Week's News, with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

\*\*The Tenement House Department, of New York City, in 1911 discovered 305 old-law tenement houses not previously registered as under its jurisdiction. It also erased from its list 2,729 old-law tenement houses, which were demolished or remodeled for other than tenement uses. The number of registered tenement houses, new and old, at the beginning of the year was 103,828, which fell off to 103,093 before the year closed. However, the number of apartments rose from 866,094 to 880,988.

\*\*Francis H. Kimball, 71 Broadway, New York City, who designed the City Investing Building in Cortlandt street, has been retained to prepare plans for the new skyscraper, taking in the Adams Express Company plot, at 57 to 61 Broadway. The property has been purchased by a syndicate headed by Robert E. Dowling, which will erect a thirty-story office structure at the northwest corner of Broadway and Exchange alley. The operation, including land and building, it is estimated, will represent an investment of from \$8,000,000 to \$10,000,000. While it is said that the Adams Express has no interest in the new company, it is announced that the Adams Express Company will occupy several floors in the building.

\*\*The Gurney Elevator Company is announcing its removal to its new building at 62 and 64 West Forty-fifth street, New York City. A folder recently issued by the company gives some of its more prominent installations which include the Waldorf-Astoria Hotel, elevators for the Trinity Corporation of New York, the Bush Terminal factories, the James McCreery Corporation and the New York Telephone Company.

\*\*The general contract for the Hotel Baumann, to be erected at Madison and Vanderbilt avenues, from Forty-third to Forty-fourth streets, New York City, will be awarded about April 1. The ground is owned by the New York Central Railroad Company, which will occupy the first four floors for incoming stations. Gustav Baumann, formerly of the Holland House, will be the lessee of the building, which will cost around \$2,000,000. The height will be twenty stories, with dimensions of 200x190 feet. Warren & Wetmore, 3 East Thirty-third street, are the architects. Balcom & Darrows, 70 East Forty-fifth street, steel engineers; D. H. Burnham & Co., Chicago, Ill., consulting engineers, and C. H. Place, 70 East Forty-fifth street, mechanical engineer.

\*\*The architects estimate that the cost of furnishing the Municipal Building in New York City will be \$1,515,000. The contracts for the furnishing of the rooms should be let, the commissioner says, the latter part of this year or the first of next year, so that such furnishings, fixtures and equipment will be delivered and placed by the middle of the

year 1913, when it is expected that the various departments of the city can occupy their offices in the building.

\*\*George F. Johnson, Jr., and Leopold Kahn, 165 Broadway, New York City, have bought, from the Montgomery estate, the Cafe Martin property, occupying the entire block front in Twenty-sixth street, between Broadway and Fifth avenue, in that city. The buyers will erect a tall office and store structure, twenty stories high, on the site, which has frontages of 60.5 feet on Broadway, 56.5 feet on Fifth avenue and 155.7 feet on Twenty-sixth street. Buchman & Fox, 11 East Fifty-ninth street, will be retained as architects.

\*\*Henry Disston & Sons, of Philadelphia,—the large saw, tool and file manufacturers—have recently inaugurated a wide publicity campaign which will thoroughly cover the country and all classes of buyers. Two of their recent appearing advertisements are unique in their subject-matter. One illustrates and is descriptive of the wall enclosing their big Philadelphia plant—a wall made from the grindstones worn down in the Disston works. This wall, seven feet in height and one and a half feet thick, is over 2,000 feet in length. The other advertisement deals with the service of twenty-one men who have been in the Disston employ for over fifty years.

\*\*The rapidly increasing demand in Pittsburgh and vicinity for the asbestos, magnesia and other products of the H. W. Johns-Manville Company, has necessitated a move from their present location in Liberty avenue, above Ninth street, to larger quarters. After January 24, 1912, the Pittsburgh branch of the H. W. Johns-Manville Company will therefore occupy the entire eight-story stone, reinforced concrete and steel building at the northeast corner of Wood street and First avenue, which has been leased by them for a term of years.

\*\*Saturday, January 27, the pioneer employees of E. C. Atkins & Co., Incorporated, Indianapolis, Ind., held their third annual banquet and sixth anniversary of the organization. Out of an entire pay roll of 176 members in the year 1886, the Atkins pioneer organization now has a membership of 122. The oldest member of the organization, John H. Wilde, entered the employ of the company in 1865, but retired from active service in 1909, and is now enjoying a pension. Of the others, nine have been in the service of the company from thirty-six to forty years; eight from thirty-one to thirty-five years; twenty-three from twenty-six to thirty years. During the past year one of the members of the pioneers, Albert E. Meredith, died, after having been with the company for forty years. The banquet this year was held at the Spencer Hotel, Indianapolis, and following the dinner



a program of toasts was carried out under the direction of Frank E. Kingsley, president of the organization.

\*\*Builders who are reluctantly using thresholds in building interiors, merely to fill the under-door open spaces, will be interested to learn that the Introstile and Novelty Company, Marietta, Ohio, manufacture an automatic door bottom device which puts thresholds entirely out of commission. The company calls it the Introstile, and claim that it is a complete crack sealer, invisible and noiseless in operation, while its installation makes no perceptible alteration in the appearance of the door bottom. Another good feature of its use is that the floors are not encumbered but left smooth and unbroken.

\*\*The H. W. Johns-Manville Company, al-

ready well known in the lighting field, by reason of their J-M Linolite System of Illumination, have acquired the sole selling agency for the entire products of I. P. Frink. "Frink" reflectors and fixtures need no introduction to the lighting trade and consumers throughout the country, and this arrangement means that the H. W. Johns-Manville Company will be in position to design and sell lighting systems for every known form of artificial illumination. An engineering department will be maintained along very extensive lines. This department will maintain a corps of engineers throughout the United States and Canada, and be equipped to place data and recommendations in the hands of all interested in any subject pertaining to illumination.

## Recent Trade Literature

Sargent & Co. have just issued an attractive vest pocket size booklet carrying suggestions and illustrations on ornamental figures and letters for dwelling, office, bank, hotel, school, church and public building uses. It is an exceedingly neat, interesting and instructive piece of printed matter. Sargent & Co. will gladly supply those writing to them for a copy. Address them at New Haven, Conn.

\* \* \*

"The Priestman Ejector System" and "Progress in Sewage Treatment No. 7" have just been issued by Merritt & Co., Camden, N. J., and deal mainly with the Priestman ejector system and the subject of sewage pumping. "The Catalogue of the Priestman Ejector System" contains 14 pages, and takes up the various applications of the Priestman hydro-pneumatic ejector in sewer systems and in deep basements of buildings. These applications are discussed at length after a page devoted to a concise description of how a Priestman ejector operates without any moving parts in contact with the sewage and how the compressed air is made to work for discharging sewage.

\* \* \*

The Carter White Lead Company, of Chicago, has issued a catalogue under the above title, which is without question one of the finest examples of color printing that has come to our attention. The book is designed to sell paint primarily, but has been so prepared as to convince house owners of the necessity of considering environment in placing painting contracts. It will be mailed upon application

at the offices of the Carter White Lead Company in Chicago.

### TO HANG BURLAP.

For hanging burlap on a board wall the following method has been tested and found O. K., according to the "American Carpenter and Builder":

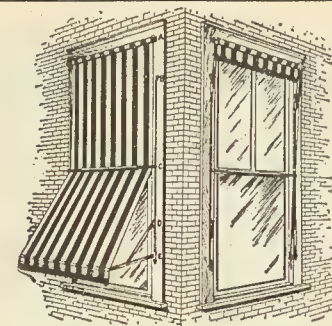
First, make a size of one pound of glue, soak the same in one gallon of cold water for two hours, then add four pounds of very dark brown sugar (the darker the better) and then bring to a boil and boil for ten minutes, then reduce the whole with as much water as for sizing, apply to boards when cold, dry and follow just before hanging with a second coat.

To make your paste for this work, make up a good stiff wheat flour paste, and while hot add to a twelve-quart pail full, Venice turpentine, two tablespoonsful, paste your strip, fold and lay aside till a second strip is pasted, then take first strip, unfold and paste again, when after trimming with straight edge and knife it is ready to hang.

Hang your strip, and brush up and down, never crossways, as burlap will stretch and will soon be out of line for a second strip.

In hanging the second strip, hang so your edges do not quite meet. Brush down the whole strip, same way as first, cut off at the bottom, then bring edges together from both sides to a butt edge, roll down seam and never leave it till you are sure it is dry. Always look back for seams shrinking open. Proceed sure and success is assured.

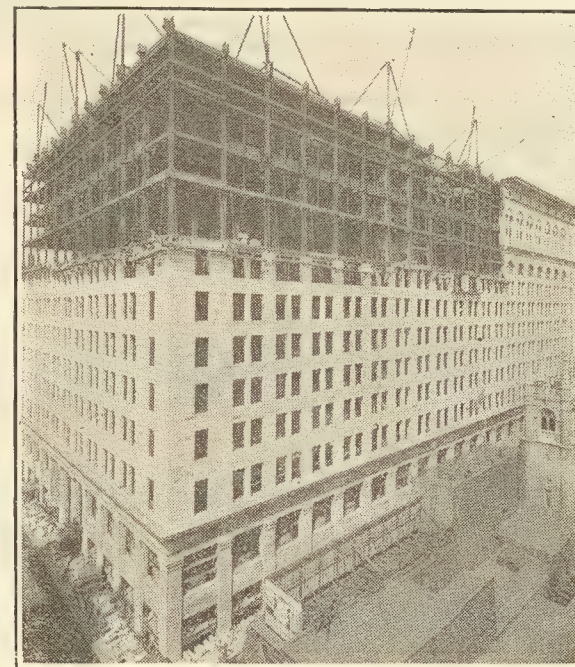
This same system applies to plastered walls, except that only one coat of sizing is then applied.



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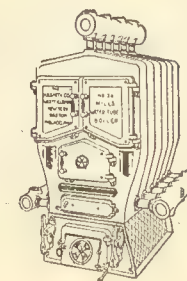
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When the game is advertising, specializing pays. You couldn't advertise hats in a brick magazine any more than you would advertise corsets in a tobacco trade journal. Selecting your medium depends on the class you aim to reach. If the class is architects or builders, your medium is "The Guide."

#### USE OF BRICK IN AMERICAN ARCHITECTURE.

Considered from the point of view of beauty, brick would seem to occupy a unique position among the structural materials available for the creation of beautiful buildings. Further analysis discloses, among others, the following interesting points:

Brick is made in reasonably small units, so that in the case of many modern buildings, at least one hundred thousand of them show on the exterior. This, together with the varying shapes and sizes now obtainable, make possible an almost infinite variety of form and pattern, thus giving full scope to the imagination, ingenuity and skill both of the designer and of the workman.

Brick, moreover, is now made in almost every conceivable color and shade, the permanency of which is unequaled by hardly any other building material; with such a "palette," therefore, at one's command, and by a skillful use of color, the brickbuilder of today can readily add to his design that living touch which the painter gives us in his painting.

Brick may also be counted unique in the fact that it requires for its structural effi-

ciency the use of a very considerable amount of material of quite another kind and color, namely, mortar, and further that this material must of necessity show in the form of a joint to a more or less degree in the face of the finished wall. A mistaken idea has prevailed that the mortar joint is a blemish that should be suppressed as far as possible, or be colored to match the brick. We find, however, that the designer of to-day seizes the very opportunity afforded by a mortar joint to introduce into his wall another element of color and pattern.

The word "texture" has lately come into use in connection with brickwork, and, strange as it may seem, this word has a very plausible application; for the builder of interesting brickwork has much in common with the weaver at the loom as far as resulting color effect goes. Just as the weaver, with his threads of varying sizes and colors, produces a never-ending variety of useful and beautiful fabrics, just so it is possible for the brick-builder, with his bricks and joints of many colors and sizes, to weave new ideas and combinations into his work, all in a beautiful and imperishable patterns; and this applies to all brick.

Just as the fabric charms and delights the eye and at the same time protects man from heat and cold, and performs a thousand other useful functions, so the beautiful wall of brick, exemplifying man's ingenuity and his artistic skill, forms also the protective structure of the buildings erected for his use. Brick, therefore, would seem to fulfill to a very high degree the requirements of an ideal architectural material.—"Donn Barber."

If your proposition is one that should appeal to architects, builders, building owners, decorators, material and supply concerns, "The Builders' Guide" is the right medium for your advertising and cannot fail to bring you profitable returns.

"The Guide" reaches and is read in every one of the thirty-two Chapters of the American Institute of Architects throughout the United States. It reaches and is read by every architect in Pennsylvania.

Your salesman would consider himself fortunate to get **ONE TEN-MINUTE INTERVIEW** with a busy architect **IN THREE MONTHS**. We **REACH** and **TALK DIRECT** to men of this calibre **FIFTY-TWO WEEKS IN THE YEAR!**

The short cut to success in any line is to get your proposition before people likely to be interested in what you have to offer. In the building line "The Builders' Guide" supplies this "shortcut."

The man that doesn't advertise nowadays is a barnacle. And he ends up like a barnacle by being scraped off.

Some people quit advertising during the dull season. No wonder it's the dull season.—"Dealers' Building Material Record."



## Architectural Notes.

The Cleveland Chapter of the American Institute of Architects has recently received communication from the Cincinnati Chapter of the institute and from the Columbus Society of Architects, relative to the Ohio state building code. It has been found that the operation of the code has in some respects interfered with the provisions of the local building code, producing much confusion thereby as to enforcement authority. In other ways the state code imposes conditions as to material to be used in construction, which works hardships in many localities.

With these general features in view, the Cincinnati and Columbus architects are starting a movement to make such change or modifications in the code as may be considered necessary to make same conform to all classes of buildings in all parts of the state.

Relative to the proper working out of a state code, one Cleveland architect makes this unique suggestion: That a fund be raised by prospective builders, architects and contractors, to employ an expert architect, who is familiar with all forms of building construction and materials and thoroughly conversant with building codes and practices to work in conjunction with a competent advisory committee in the collection of data for, and the preparation of a state code which will meet the building requirements adequately, justly and properly for all classes of buildings in all parts of the state. In passing it is well to consider that the probabilities of the passage by the constitutional convention of a provision giving cities and villages the right to formulate all rules and regulations for their government, to consider the effect which this home rule provision would have upon the operation of a state building code.

\* \* \*

Ennis R. Austin was elected president of the state chapter of the American Institute of Architects, held February 10 in Indianapolis. The officers for the year, elected at a previous meeting, were installed. The other local architects, besides Mr. Austin, who are officers of the organization, are Rolland Adelsperger, member of the Executive Committee, and Ernest W. Young, member of the Exhibition Committee. These men, with N. Ray Shembleau, also returned yesterday from the meeting.

The Exhibition Committee was instructed to proceed in arranging for the state exhibit to be held in Indianapolis in May, which is later to be transferred to South Bend, after showing in the capital for two weeks. A catalogue picturing the various drawings and other works of art which are to be on display is being gotten out by the committee. The number will be a large one, and promises to be the most interesting catalogue yet produced by the organization. The exact date for the opening of the exhibition has not yet been determined upon and the matter was left to the committee.

The Committee on Education in New York and its local committee in San Francisco, of the Society of Beaux Art Architects, makes announcement of the following awards in the judgment of February 20, 1912. The committees received 273 esquisses (preliminary sketches) and 128 analytiques (final drawings in the Class "B"—III Analytique (Order Problem). "A Tea House on a Country Estate":

Mitchell, R. P. M Pl., Carnegie Technical Schools, Pittsburgh.

Klotz, A. E., M Pl., Cleveland Architectural Club, Cleveland.

Martin, R. E., M Pl., Licht, New York.

Laschenski, S. J., M Pl., Philadelphia Atelier University of Pennsylvania, Philadelphia.

Hardell, A. T., M Pl., Syracuse University, Syracuse.

Scheiner, J. M., M Pl., Ware, New York.

\* \* \*

The following students received "Mentions": Atelier C. C. Adams, San Antonio, Texas; T. M. Mitrovich, F. V. Rice; Baltimore Atelier L. H. Fowler, Baltimore; C. W. Koch; Atelier Barber, New York City; H. Olson, G. Grotz; Atelier Bennett, Chicago; P. F. Esser, F. Scholer; Atelier Blum, New York City; J. G. Schuhmann; Boston Architectural Club, Boston; H. E. Frost, F. R. Witton, F. S. Whearty, R. V. Donahue, J. L. Kingston, J. N. Holden; Atelier Bosworth, New York City; M. E. MacDonald, G. Sinn, E. Ullrich; Carnegie Technical Schools, Pittsburgh; J. G. Humphrey, J. Gay, H. G. Cooke, Jr., F. J. Phillips, J. L. Emrick, W. O. Scott, B. G. Johnston, L. W. Andrews, O. L. Schwarz, W. R. Klicker; Chicago Architectural Club, Chicago; R. Werenskold, E. H. Schrader, D. Parmelee; Drexel Institute, Philadelphia; E. H. Gaskill, W. W. Hermann, S. B. Vanderslice, H. E. Steinmetz, G. Fulton, Jr., T. S. Newman; Atelier Hornbostel, New York City; J. H. Hartzell, J. H. Field, F. Kirkpatrick; Kansas City Atelier, Kansas City; J. M. Marra, H. G. Hunter; Atelier Lewis, Wilkesbarre; J. M. Brown; Atelier Licht, New York City; P. P. Ruehl; Atelier Maxwell, Montreal; K. R. Blatherwick; Philadelphia Atelier, Philadelphia; T. Ash, A. N. Dobbins; Atelier Prevot, New York City; V. A. Trussell; Remey School of Architecture, Washington, D. C.; Providence; R. R. Meikel; St. Louis Architectural Club, St. Louis; J. E. Wallace, C. A. Beffa; University of Illinois, Urbana; W. Wyman, H. H. Crawford, J. Bernard, J. Mitchell, R. K. Doherty, R. F. Webb; Atelier Ware, New York City; W. H. Baum, F. E. Smith; Washington Architectural Club, Washington, D. C.; J. E. Levy, P. H. Barbard, S. S. Storer, D. J. E. Wilson; Atelier Wynkoop, New York City; D. Solomon; San Francisco Architectural Club, San Francisco; Atelier Brown; J. P. Maloney, L. A. Bryant, J. A. Magee, G. O'Brien; Atelier Kelham; R. Wyckoff, W. Spivock, F. Pfueger, F. F. Strothoff; Atelier Rixford; J. E. Bettencourt; Los An-

geles A. C., Los Angeles; W. Yates, R. Olston, G. N. Allon; Portland A. C., Portland, Oregon; R. E. Collins, L. H. Dittrich, J. Brauman.

\* \* \*

The following students received "H. C.": Atelier C. C. Adams, San Antonio, Texas; R. H. Cameron; J. G. Cowell; Tulane University, New Orleans; J. Devlin; Atelier Ware, New York City; R. M. Johnson; San Francisco; Atelier Brown; J. A. Davis; Atelier Kelham; F. A. Chapman.

\* \* \*

The Committee on Education in New York and its local committee in San Francisco received 171 Esquisses (preliminary sketches) and 62 Projets Rendus (sets of final drawings) in the:

Class "B"—III Projet (problem in design). "A Monumental Stairway."

Doelzer, E. J. 1st M., Barber, New York.

Good A. H., 1st M., Carnegie Technical Schools.

Neal, A. H., 1st M., Carnegie Technical Schools.

Kirchenbower, W. H., 1st M., Carnegie Technical Schools.

Sibley, J. T., 1st M., Hornbostel, New York.

Getz, P. F., 1st M., Philadelphia Atelier University of Pennsylvania.

Spangenberg, F. A., 1st M., Prevot, New York.

Blasey, J., 1st M., Remey School of Architecture.

The following students received "Mentions": Baltimore Atelier L. H. Fowler, Baltimore; J. F. Yewell; Atelier Barber, New York City; A. Eiseman; Atelier Blum, New York City; R. Segal, H. Tresal, J. Weinberg; Boston Architectural Club, Boston; H. W. Fox, E. Hayward, H. B. Horner; Carnegie Technical Schools, Pittsburgh; E. Crump, Jr., W. W. Vander Clute, H. C. Franks, W. H. Harrold, L. H. Button, W. B. Chalfant, J. F. McWilliams, Jr., F. Haaren, W. C. Findt, W. J. Canfield, G. E. Martz, A. N. Steinmark; Atelier La Velle, New York City; M. J. Sullivan, Lf Fentnor, Jr.; Atelier Lewis, Wilkesbarre; P. Williams; Philadelphia Atelier-U. of P., Philadelphia; F. L. Hill, A. G. Thorp, J. P. Sweeney, E. H. Wigham, C. T. Weidner; Atelier Prevot, New York City; I. F. Heyl, G. S. Keesing; Washington Architectural Club, Washington, D. C.; J. Weber; Atelier Brown; S. F. A. C., San Francisco; C. I. Warnecke, G. L. Brown, S. C. Flawn.

\* \* \*

The following students received "H. C.": Drexel Institute, Philadelphia; E. L. Neumann, G. M. Ewing, J. E. Pike; Atelier Prevot; H. Beshgetoorian; Syracuse University, Syracuse; O. H. Graves; Tulane University, New Orleans; S. Rosenthal; Atelier Ware, New York City; M. L. Dazey, R. S. Pallesen.

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PHILADELPHIA, PA., MARCH 13, 1912.

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## REGULATING THE HEIGHT OF BUILDINGS AND SUPERVISING THEIR ASPECT AND DESIGN.

Conferring power upon certain municipal bureaus to regulate the height of buildings however excellent as a precautionary measure in the interest of safeguarding the natural lighting and ventilation of adjacent structures must necessarily fall short of complete efficiency unless this power is enlarged to include some measure of restriction also upon aspect and design. Many of the appallingly expensive schemes of city planning now engaging the attention of experts throughout the country would have been comparatively simple and inexpensive extensions had such an authority been vested years ago in men able to make intelligent use of it. What is needed in every city in the country of any size is a commission with power to regulate not only the height of buildings, but such other considerations as bear upon their relation to the development of the city as a whole along accepted modern lines. Such a commission might be expected to foresee and plan in advance for civic centres, attractive sky lines, an intelligent assembling of street lines and that sense of architectural homogeneity exacted of expert structural planning. The gravity of such a solution rests in the possibility of authority so far-reaching being invested in a lay or politically organized body of the kind.

Such a commission to command popular respect should be composed of architects of the highest distinction—men able to approach the problems which would come before them in a spirit of the purest artistic altruism and with an eye single to the public welfare.

## "THE GUIDE" AND ARCHITECTURAL PHILADELPHIA.

Once again, Mr. Architect, "The Guide" finds it necessary to remind you that "The Guide" is your paper, that it is published primarily for the dissemination of architectural information and that it stands, in a sense, intimate and personal, for the advancement architecturally of Philadelphia and of Pennsylvania. While "The Guide" has grown within the past year into a national zone of interest, and while it aims to continue to thus broaden and enlarge its activities, nothing has occurred to cause its publishers to forget that it is of Philadelphia antecedents, draws its inspiration from Philadelphia ideals and as the only architectural publication carrying a Pennsylvania date line, owes a certain inextinguishable obligation to its home city and home state. Let the future growth of "The Guide" be what it may, Philadelphia and Pennsylvania shall never cease to be the objects of its special devotion, all of which is preliminary, Mr. Architect, to what we set out to here say to you—which is, that "The Guide" wants to be helpful to and representative of architectural Philadelphia at all times. So that when, Mr.

Architect, you have sketches of important work for publication, "The Guide" will be glad to get them. And when you happen to have photographs of your finished work for reproduction, "The Guide" feels that it has the right to bespeak in a way the first claim upon them. And—following the same line of thought—when you have an announcement to make of importance to the profession or an argument to add to contemporary architectural discussion "The Guide" claims the privilege of being the medium for its dissemination. To fully realize the aims of its publishers, "The Guide" must have the hearty and cordial co-operation of the men who are making Philadelphia a centre for all that is best architecturally. "The Guide" has enjoyed this co-operation up to a point in the highest degree encouraging to those responsible for its development. It seeks now the still more intimate and active co-operation necessary to make it fitly representative, in all that this term implies, of the distinguished and unique position occupied by Philadelphia in American architecture.

## USEFULNESS OF EXPERT INSPECTION OF THEATRES.

The maintenance of fire trap temples of amusement, in cities of the first class, in the teeth of intelligent public sentiment in favor of a better and more modern type of construction is entertainingly discussed by the "Western Architect in the course of a comment on the Havlin Theatre controversy at St. Louis.

"When the late Mr. Shakespeare said: 'What fools these mortals be,' " says the "Western Architect," "he must have had in mind, to some extent, at least, the attitude of the layman toward architectural and engineering advice. A case in point, is illustrated in the action of the St. Louis civic authorities in relation to the Havlins Theatre alteration and repair. The oldest and largest of the principal theatres of St. Louis, Havlins, was built when a wooden joist was as acceptable as a protected steel beam, and wooden floors, lathed proscenium arch and stage was thought good enough. Like most theatres of that time, it was probably built in 'eighty-three days' like Haverlys, in Chicago, and by the same architect, and now after twenty-five years of service and miraculous escape from fires, it is being repaired, when it should be razed. A dissatisfied public demanded an inspection and fortunately obtained the services of one of the most capable architects, not only in St. Louis but in the country—W. S. Eames. That architect reported the structure dangerous to life. This statement was substantiated by the chief of the Fire Protection Bureau, though it needed none. In the face of this expert evidence, as well as the general appearance of instability that was apparent to the man in the street, the mayor seeks to protect the owners by ordering a joist repaired here, and reinforcement there, to patch up a fire trap that should



long ago have been torn down. This St. Louis episode, in regard to the leading theatre of the town has its parallel in almost every city.

"The theatre trust or combination has leased these houses, and so firm is its control that no new houses can be built by private capital to compete with them. Until a rival combination appeared in the field, there were no new theatres built in Minneapolis or St. Paul. Now each has a modern house built upon safe and practical lines. But private capital is shut out because business cannot be done, or sufficient companies obtained except through these combinations, to pay even a portion of the interest upon the investment. And in this manner, the old fire traps remain, or are repaired when some fire chief is brave enough to risk complaint, when the house is owned by citizens of influence, and the public daily and nightly risk their lives in houses that should not be tolerated within the fire limits of the city. Against this influence it is useless for architects or fire chiefs to enter their expert opinions, except for their own satisfaction when the inevitable happens and there is another 'Iroquois' to set the people to thinking for a week, and then have the same conditions remain unchanged."

"The Guide" has in mind a theatre but a stone throw from the heart of the shopping district of Philadelphia, a theatre patronized by Philadelphia's best people that is the merest shell of frame and stucco; architecturally a nightmare, practically a menace to surrounding structures. Several other well-known local amusement houses are little better. Yet so potent is the influence the trust is able to exert at court that these structures go on undisturbed until as the comment quoted so aptly observes, "another Iroquois" occurs "to set people thinking for a week." Philadelphia, by the way, has about as shabby a collection of theatres, regarded from the architectural angle, as it would be possible to dig up anywhere. Aside from Hammerstein's, there isn't an amusement house in Philadelphia worth a second glance to anyone with so much as a rudimentary idea of good architecture. This, too, in face of the fact that Philadelphia continues to be rated one of the best cities theatrically in the United States.

### THE NEW ADVISORY BOARD FOR JOHNS HOPKINS UNIVERSITY.

The appointment of an advisory board to assume charge of the grouping, designing and construction of an extensive series of buildings for Johns Hopkins University is an event of more than passing architectural importance. The new buildings to be thus provided will house practically all of the activities of the university aside from those of the hospital and medical school and will occupy a site of approximately 150 acres fronting on Charles street. The seat of the Carroll family, including the beautiful old colonial house "Homewood," form a part of these grounds. The advisory board named consists of Mr. Frank Miles Day, of Philadelphia; Mr. Gros-

venor Atterbury, of New York, and Mr. Frederick Law Olmstead, of Boston. Mr. Day is one of the most distinguished of American architects, a fellow and former president of the American Institute. He is a trustee of the American Academy in Rome, an associate of the National Academy of Design, a member of the National Institute of Arts and Letters and an honorary corresponding member of the Royal Institute of British Architects. Mr. Day was for many years a lecturer on architecture at the University of Pennsylvania, upon which subject he now lectures at Harvard.

Mr. Atterbury is also a fellow of the American Institute and is the designer of some of the most notable buildings in the United States.

Mr. Olmstead is a widely known landscape architect, a lecturer on landscape design at Harvard, a designer of substantial and notable achievement.

The selection of a board comprising so much that is admirable in its personnel cannot fail to result in a group of buildings of the most commanding architectural note. The trustees of Johns Hopkins are to be congratulated upon the wisdom which guided their choice of the men to supervise this important work. We doubt if the annals of American architecture can show anywhere a body of the kind so admirably equipped by brilliant past achievement to insure the success of such an undertaking. Mr. Day's selection would seem to indicate an awakening on the part of the rest of the country to the commanding ability of the Philadelphia architect, whose fame bids fair to keep pace with that of the Philadelphia lawyer in the front rank of his chosen profession.

Experience teaches us that there are ten fundamental principles which every engineer considers most carefully before drafting specifications for a roof. The ideal roof must conform to all the following requirements:

1. Weatherproof.
2. Fireproof.
3. Minimum weight.
4. Maximum strength.
5. Provision for expansion and contraction.
6. Low first cost.
7. Simplicity and low cost of application.
8. Low insurance rates.
9. Minimum cost of maintenance.
10. Long life and durability.

There are many excellent grades of roofing which fulfill some of these requirements perfectly, but a systematic, thorough comparison of all grades proves most conclusively that metallic roofing, as manufactured from the pure iron, conforms to all the requirements and meets every condition better than any other kind of roofing manufactured to-day.

The following facts will demonstrate how uniformly the pure iron roofing meets each important requirement:

### THE CASE FOR HOT-AIR HEATING.

There are but three practical systems of heating based on the indirect method, namely, indirect steam or vapor heating, indirect hot water heating and warm air furnace heating.

Of these systems the warm air furnace system, properly installed, is the most practical system for heating and ventilating 999 of every 1,000 residences.

The indirect steam or vapor or hot-water radiation systems have no real advantages over the warm air furnace system for heating and ventilating residences. In fact they have many disadvantages, such as cumbersome (occupying as much as 35 per cent. of all the space in the basement), difficulty of operation, extravagant fuel consumption (50 per cent. of the 100 per cent. more than good furnace heating), high cost of maintenance and excessive first cost (twice the cost of direct radiation heating), difficulty of humidifying the air.

In contrast to these disadvantages of the indirect radiation system of heating are the decided advantages of the warm-air furnace system which occupies from 5 per cent. to 8 per cent. of the space in a basement, is easy to operate, is moderate in fuel consumption (well installed furnaces require less fuel than is required to heat by the direct radiation system because of the much greater average efficiency of good furnaces as compared with standard types of house heating boilers), low in cost of maintenance, durable (good furnaces last from twenty-five to forty years), moderate in first cost (a trifle less than cost of direct steam radiation system).

The best heating results in residences are obtained with indirect systems of heating when they are combined with a formal system of ventilation—consisting of vent ducts, vent registers, ventilating shaft, etc.—and it is a curious fact that the superior heating results are obtained without an increase in fuel consumption in the case of the warm air furnace. In residences there is actually a reduction in the fuel consumption when a proper ventilating system is installed with a warm air furnace system of heating, this being due to the fact that the free circulation of air through the rooms makes it unnecessary to force the fire to secure the desired heating results. To the prospective house owner it is of interest to know that the combined first cost of a good warm air furnace heating system, with a formal system of ventilation, does not exceed the cost of a direct hot water radiation system.—W. F. Colbert, M. D., in "House and Garden."

Don't make the mistake of assuming that because you have been doing business for years everybody in the building trade knows all about your proposition. Bernhardt has been on the stage probably as many years as you've been in business, but she still finds it necessary to put out "three-sheets."

Chase in a five spot and have "The Guide" sent to you regularly.



## Important to Builders

Builders and Contractors who are preparing plans for residence building operations should not fail to incorporate in their plans the comprehensive Electric wiring of all buildings to be erected. It is a sure thing that properties Electrically equipped will sell or rent more quickly than unwired houses.

We have facts and figures to show you.



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## New Ideas, Materials and Devices

Innovations in Material and Equipment That Merit the Interest of Architect and Building Owner—A Running Resume of Novelties More or Less Recent.

### Sewage Purification and Disposal:

Typhoid fever, like many other diseases, is directly caused by sewage germs and in the recent epidemic in Coatesville the cause was traced by the State Board of Health to the sewage of the Coatesville Hospital, which polluted the drinking water of that community.

Sewage has typhoid germs in it and it is a filthy, pestilent and fatal practice which permits suburban institutions or individual houses to empty their sewage into streams or into cesspool wells where, if the sewage does not eventually pollute drinking water, the germs are carried by flies and other insects.

The man who is careless with fever germs is just as regardless of human life as the one who is careless with a loaded pistol, with the exception that the germs will cause more fatalities. Carelessness in disposing of sewage in rural districts exists to a frightful degree.

Do not empty your sewage into a running stream of water. It is against the laws of the State of Pennsylvania. Do not empty your sewage into cesspool wells; you are liable to have it carried back to your table in drinking water or by flies, mosquitos and other insects which pollute your food.

The Sewage Disposal and Water Systems Company, of Philadelphia, installs sewage purification and disposal plants underground. This is accomplished in concrete compartments by natural bacterial action. When the sewage is purified the effluent is distributed in the soil underground.

No chemicals are used, the plant requires no attention, there is no danger of germs and no odor. Best of all, the installation required for an ordinary size residence is very little greater in cost than cesspool wells.

The company also installs water pressure systems and would be glad to hear from persons interested in installing a disposal plant or a water pressure system.

### Vermin Proof Sanitary Pottery:

This is a subject of especial interest to owners of apartment houses or multi-family buildings. It is something they have been looking for for a long time, and, while it is now made by many manufacturers, Abel Hansen, the sanitary pottery manufacturer of Perth Amboy, N. J., is turning out a wash tray that is guaranteed to fulfil all the expectations of the persons using them.

Instead of being set into the wall, the Abel Hansen tray sets out from it, and is so protected by a lip which overhangs the upper edges of the tray that no rodent or insect can

find lodgment therein. This device, with other improved sanitary appliances rather out of the ordinary run, are to be found illustrated in a catalogue recently from the press, and which may be obtained by architects and laity by addressing Abel Hansen, Perth Amboy, N. J.

### New Swinging Top Chimney Cap:

The Pullman Automatic Ventilator Manufacturing Company is having a large demand for its new type of swinging top chimney cap, made under patent rights secured from the inventor, John M. Cromley, the engineer of the company. This cap has been designed with the idea of supplying something cheap, and at the same time efficient, which may be kept in stock by tinnerns and roofers. The cap is made in six, seven and eight feet sizes, and is put up in crates of not less than half a dozen, either in one size or assorted sizes.

The ventilator is made of galvanized iron, and has a brass ball bearing, which will not corrode, causing positive action of the ventilator at all times.

This company, which is the pioneer in the open type roof ventilator, preserved the open type in the new design, the cap closing against the wind; the same principal applying which has made the automatic window ventilator, the standard.

Full information may be had by applying at the factory, at York, Pa.

"I was going to place my order with Blank & Co.," writes an out of town subscriber, "but failing to find their advertisement in your pages, concluded that the firm was of small importance." The firm that bagged the order is comparatively new to the trade, but as a regular advertiser in the home trade paper was able to make an impression that all the accumulated prestige of the older house was unable to overcome. Moral: Advertise.

For "proposals" there is no better medium in print than "The Builders' Guide." Why? Because among our regular readers are the biggest concerns in every avenue of structural activity.

For every "one" man you can mention who has succeeded without advertising we'll agree to name ten whose greater success has been due to advertising "direct." Moral: Advertise!

Boost your home town! And remember there's no better way to do this than to carry space in the home trade paper.



## NEW YORK'S NEW BUILDING RULES

### Regulations Governing Amusement and Dance Hall Construction, Hollow Block Buildings and Moving Picture Booths

The several Superintendents of Buildings of the City of New York, in conference, adopted important rules for the erection, conversion or alteration of dance halls and public dancing academies for which licenses are required under Chapter 547, Laws of 1910, and also governing the construction, conversion or alteration of concert halls, music halls and other places of public entertainment not governed by the requirements of Section 109 of the Building Code.

Also promulgated were rules and regulations governing the use of hollow tile building blocks, which can now be used for buildings not more than thirty-five feet high within the bounds of Greater New York, as well as for floors and partitions in fireproof construction. They will constitute one more rival for building bricks in addition to marble, stone, concrete and terra cotta. New rules were also promulgated for top floor partitions in fireproof buildings, and for the use of lime in cement mortar. The four bulletins are as follows:

#### Dance Halls, Concert Halls, Etc.

Bulletin No. 1, 1912.—The several Superintendents of Buildings of the City of New York, in conference, adopted the following rules governing the erection, conversion or alteration of dance halls and public dancing academies for which licenses are required under Chapter 547, Laws of 1910, and concert halls, music halls and other places of public entertainment not governed by the requirements of Section 109 of the Building Code.

1. Proper plans must be filed showing arrangements of seats, exits and stage (if any), also bearing capacity of floors (at least 90 pounds per square foot), also statement of estimated number of persons to be accommodated.

2. No Dancing School or Academy or Dance Hall will be allowed above the second floor in any non-fireproof building, the ground floor being considered the first floor.

3. All rooms must be properly ventilated.

4. Adequate toilet accommodations separate for sexes must be provided.

5. EXITS: The number and width of exits must conform with the requirements of Section 108 of the Building Code.

All exit doors must open outward and in case of doors opening on outside balconies they must be hung to swing flat against the wall.

No windows will be considered as exits.

Outside balconies must be of iron or steel, at least four feet in width with stairs leading to ground.

Where stairs lead to yard, proper exits must be provided leading to street without re-entering the building, except through fireproof passage.

Every exit must be indicated by a red light placed on the inside and by a sign with the word "EXIT" painted thereon in legible letters not less than eight inches high.

6. No cinematograph or other apparatus for projecting moving pictures shall be set up for use or used in any building, place of public assembly or entertainment, unless such apparatus shall be enclosed in a fireproof booth built in conformity with the requirements of Chapter 756, Laws of 1911.

NOTE.—In addition to the above requirements, in the Borough of Manhattan, dance halls, dancing academies, etc., will be prohibited in frame buildings above the first floor.

RUDOLPH P. MILLER,  
Superintendent of Buildings.

Dated, January 5th, 1912.

#### The Floor Partitions in Fireproof Buildings.

Bulletin No. 2, 1912.—In fireproof buildings where the roof beams are sloped, and there is a hung ceiling in the top story, the fireproof partitions, except those enclosing stair halls or elevators, in the top story, need not be carried higher than the hung ceiling. This applies to the top story of the building only, it being understood that a so-called pent house, if used for other purposes than the enclosure of elevator machinery, tanks, or forming the bulkhead of stairs, is considered a story of the building.

RUDOLPH P. MILLER,  
Superintendent of Buildings.

Dated, January 8th, 1912.

#### Lime in Cement Mortar.

Bulletin No. 3, 1912.—The use of lime putty or hydrated lime in cement mortar to the extent of not more than ten per cent. is permitted in any case where cement mortar is required by a building permit or by the Building Code, unless the approved application or any amendment thereto calls for pure cement mortar, and provided that no lime of any kind shall be used in cement mortar for foundations or foundation walls.

RUDOLPH P. MILLER,  
Superintendent of Buildings.

Dated, January 23rd, 1912.

#### Rules and Regulations Covering the Use of Hollow Tile Building Blocks.

Bulletin No. 4, 1912.—Hollow tile building blocks may be used for buildings not more than thirty-five feet in height under the following conditions: Hollow tile blocks shall be true and square and be of uniform shape and thickness when laid in courses.

No such blocks shall be used until com-

plete and satisfactory tests have been made by the manufacturer under the direction of the Superintendent of Buildings and until an approval for the use of such blocks has been obtained.

No blocks shall be approved that do not develop a compressive strength of at least 2,000 pounds per square inch of net section. In no case shall the hollow spaces of any such blocks exceed 50 per cent. The thickness of walls or webs of such blocks shall not be less than one inch.

The thickness of walls for any building where hollow tile blocks are used shall not be less than is required by the Building Code for brick walls. All such walls shall be laid in Portland cement mortar. All outside walls below grade must be filled in solid with Portland cement concrete.

No wall composed of hollow tile blocks shall be loaded in excess of one hundred pounds per square inch of the gross section of the wall; i. e., no deduction being made for hollow spaces in figuring the area.

Where wood beams or girders rest on such walls suitable templates of either iron, continuous tile, or stone, shall be provided under their ends, or the blocks under them shall be solid.

Hollow tile lintels spanning an opening over three feet six inches wide shall be reinforced with cement and steel bars.

All walls of hollow tile blocks, and beams used in same, must be anchored in accordance with Sections 41 and 60 of the Building Code.

No walls constructed of hollow terra cotta blocks shall be broken to receive pipes, but must be recessed when moulded.

Every block must have stamped thereon the name of the manufacturer or manufacturer's mark.

RUDOLPH P. MILLER,  
Superintendent of Buildings.

Dated, January 25th, 1912.

#### AN EPITAPH.

Here lies the remains of Jonathan Wise,  
Who all his days schemed to devise  
A way to reap fortune's golden prize,  
And failed, 'cause he wouldn't advertise.

The expert assistance we give our advertisers in the matter of preparing copy so as to make it tell is, in itself, worth all the money they spend with us. Our services in this avenue are at the disposal of every "Guide" advertiser, present as well as prospective.

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### SEALED PROPOSALS.

Treasury Department,  
Office of the Supervising Architect,  
Washington, D. C., March 9, 1912.

SEALED PROPOSALS will be received at this office until 3 o'clock P. M. on the 20th day of April, 1912, and then opened for the construction, complete (including plumbing, gas piping, heating apparatus, electric conduits, wiring, and interior lighting fixtures), of the post office, courthouse, and customhouse at Miami, Fla. The building is of three stories, with basement and unfinished attic, and has a ground area of approximately 7,200 square feet. Fireproof construction throughout, stone facing, tile and copper roof. Drawings and specifications may be obtained from the custodian of site at Miami, Fla., or at this office, at the discretion of the Supervising Architect.

JAMES KNOX TAYLOR,  
Supervising Architect.

Treasury Department,  
Office of the Supervising Architect,  
Washington, D. C., March 9, 1912.

SEALED PROPOSALS will be received in this office until 3 o'clock P. M. on the 19th day of April, 1912, and then opened, for the construction (including plumbing, gas piping, heating apparatus, electric conduits and wiring, and interior lighting fixtures) for the United States post office at Abbeville, S. C., in accordance with drawings and specifications, copies of which may be obtained from the custodian of site at Abbeville, S. C., or at this office, at the discretion of the Supervising Architect.

The building is two stories in height; of approximately 3,850 square feet ground area; bricked faced with stone trim; tin roof, and non-fireproof construction with the exception of the first floor.

JAMES KNOX TAYLOR,  
Supervising Architect.

Treasury Department,  
Office of the Supervising Architect,  
Washington, D. C., March 9, 1912.

SEALED PROPOSALS will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., up to 3 o'clock P. M. on Thursday, March 21, 1912, and then opened, for all labor and materials required for the complete construction of a pier for the Philadelphia immigration station at Gloucester City, N. J. Drawings, specifications and statement of conditions governing intending bidders may be obtained upon application to the Commissioner-General of Immigration, Department of Commerce and Labor, Washington, D. C.

JAMES KNOX TAYLOR,  
Supervising Architect.

### REAL ESTATE TRANSFERS.

Summary for week ending March 9, 1912:  
Number of transfers ..... 451  
Amount of transfers ..... \$1,656,650  
Cash consideration ..... 257,400  
Mortgage consideration ..... 1,399,250  
Ground rent consideration ..... 1,601  
Which on a 6 per cent. basis  
amounts to ..... 26,683.35

## Alterations and Additions

Frank Sudeno (O), 1544 South Thirteenth street. Lucci Podles (C), 1645 Federal street. Cost, \$450. Dwelling, 1544 South Thirteenth street.

M. Branssigan (O), 2630 North Front street. J. F. Crowl (C), 3127 Belgrade street. Cost, \$400. Dwelling, 2630 North Front street.

M. M. Jenkins (O), 1208 Locust street. Stacey Reeves & Sons (C), 1611 Filbert street. Cost, \$6,000. Residence, 115 South Twentieth street.

T. Kelly (O), 8 and 10 North Seventh street. W. Hall (C), 901 North Sixteenth street. Cost, \$3,200. Storehouse, 9 South Seventh street.

A. M. Kennedy (O), Adams and Gaul streets. Cost, \$2,500. Dwelling, 456 Locust street.

Ebert Furniture Company (O), Sixth and Moore streets. Drehmann Paving Company, 2625 Parrish street. Cost, \$800. Warehouse, Sixth and Moore streets.

A. L. Dixer (O), 5831 Drexel road. M. W. Young (C), Overbrook, Pa. Cost, \$3,000. Garage, 5831 Drexel road.

Joseph Oliver (O), 5 South Front street. A. P. Frain (C), 319 Market street. Cost, \$1,200. Store, 26 South Front street.

James Speart (O), 2539 North Thirty-third street. Max Shoffer (C), 624 Hoffman street. Cost, \$575. Store and dwelling.

J. Bromley (O), Adams and Leiper streets. George H. Thirsk (C), 4413 Frankford avenue. Cost, \$450. Adams and Leiper street.

Ed. M. Branigan (O), 2945 North Twenty-seventh street. Cost, \$1,600. Stable, Fox and Clearfield streets.

Dr. P. N. K. Schwenk (O), 810 North Seventh street. Mathew Schmid (C), 1308 North Sixth street. Cost, \$1,800. Dwelling, 1917 North Broad street.

William Bugby (O), Olney, Pa. F. S. McVaugh (C), Fox Chase, Philadelphia. Cost, \$500. Shed, Olney, Pa.

F. P. Trump (O), 5209 North Broad street. Charles W. Forsyth (C), 2417 North Sixteenth street. Cost, \$500. Garage, 5209 North Broad street.

B. Kates (O), Bailey Bldg., J. F. Holland (C), 329 South Fifty-second street. Cost, \$640. Dwelling, 3608 Chestnut street.

Alice D. Mitchell (O), 403 South Sixtieth street. Samuel Mitchell (C), 403 South Sixtieth street. Cost, \$1500. Stone dwelling, 403 South Sixtieth street.

G. B. Feldman (O), 3101 West Clifton street. Cost, \$1000. Store, N. W. Cor. Thirty-first and Clifford streets.

Anasatorio (O), 427 North Sixty-fourth street. A. Feonllo (C), 6329 Callowhill street. Cost, \$46,500. Store, 427 North Sixty-fourth street.

P. Fisher (O), 217 Vine street. J. Shenkman (C), 5559 Cronson street. Cost, \$400. Store and dwelling, 506 North Fourth street.

D. Olsin (O), 1718 West Susquehanna avenue. Abe Sheotank (C), 528 Reed street. Cost, \$600. Stone, 2804 West Lehigh avenue.

Estate of F. Betz, Sr. (O), Equitable Trust Co. B. P. Evans Co. (C), Thirteenth and Wallace streets. Cost, \$1200. Theatre, 720-22-24-26 Vine street.

Mrs. M. Tinpore (O), 630 Christian street. W. J. Lazaroff (C), 1418 South Sixth street. Cost, \$2800. Store and dwelling, 810 North Sixth street.

Keller Estate (O), 1352 Wayne avenue. John Schuster (C), 3535 Marvine avenue. Cost, \$850. Store and dwelling, 1352 Wayne avenue.

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# Reference Directory for Architects, Builders and Owners

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United Brick and Clay Products Co.,  
Morris Bldg., Phila.  
O. W. Ketcham, Builders' Exchange, Phila.

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Samuel H. French & Co.,  
4th and Callowhill sts., Phila.

Chas. Warner Co.,  
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Knickerbocker Lime Co.,  
266 N. 24th St., Phila.

## Cement and Asphalt Paving.

Wm. Krause, 1621 N. 5th St., Phila.

## Cement Colors.

Samuel H. French & Co.,  
4th and Callowhill sts., Phila.

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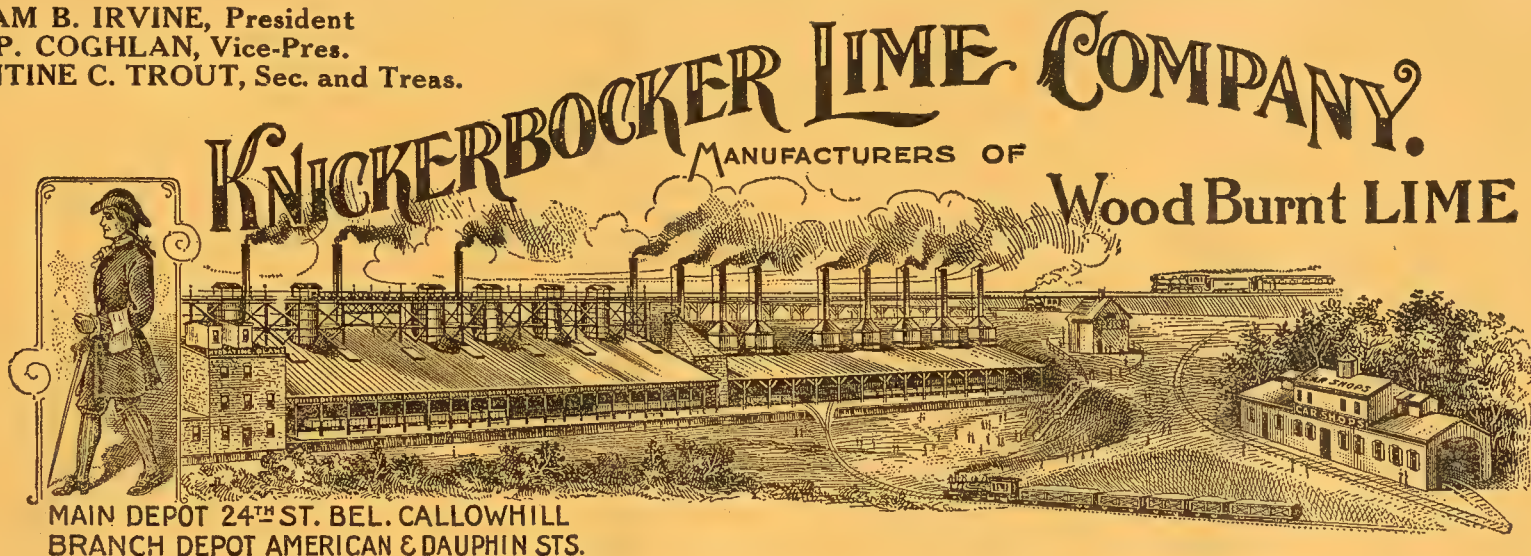
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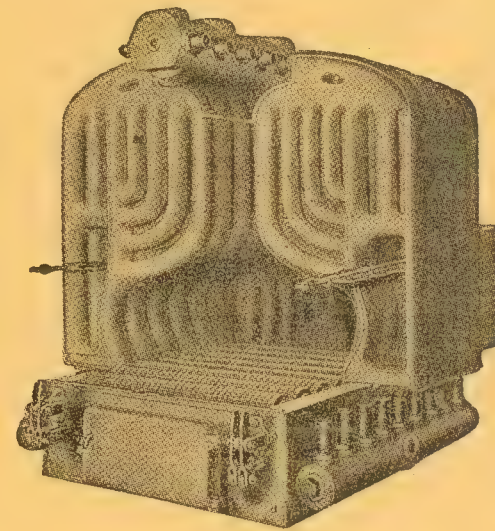
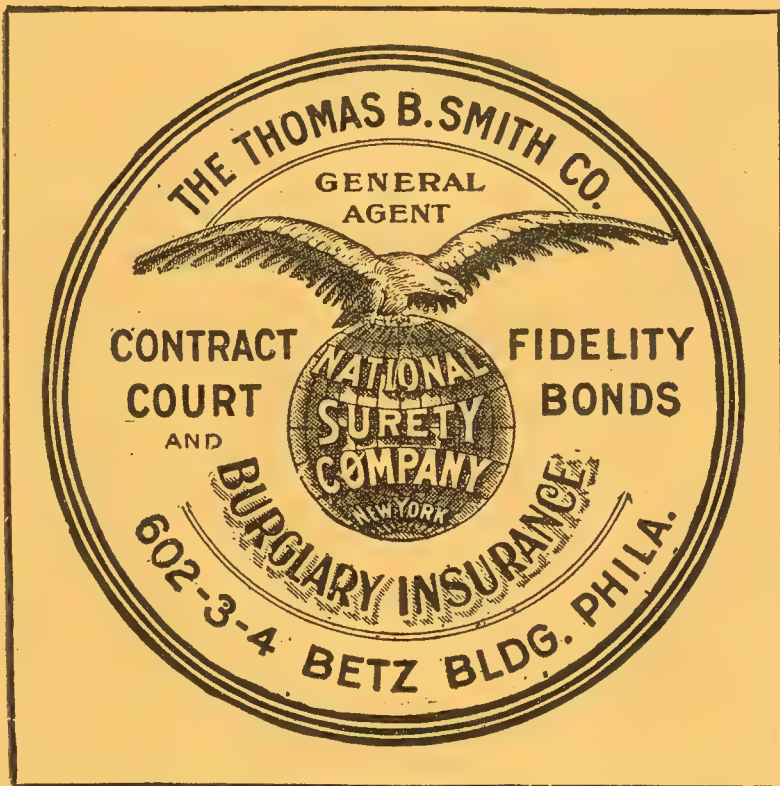
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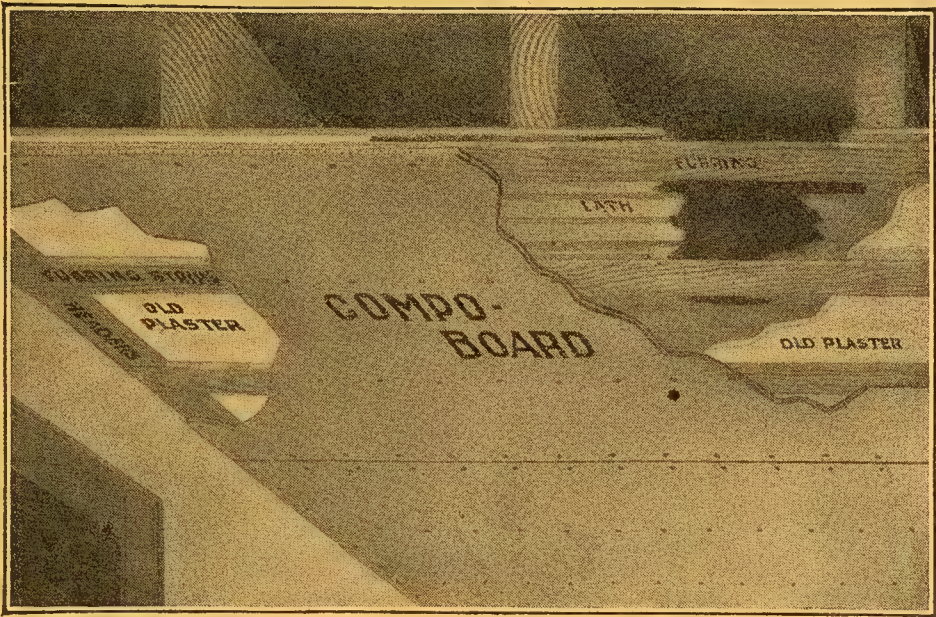
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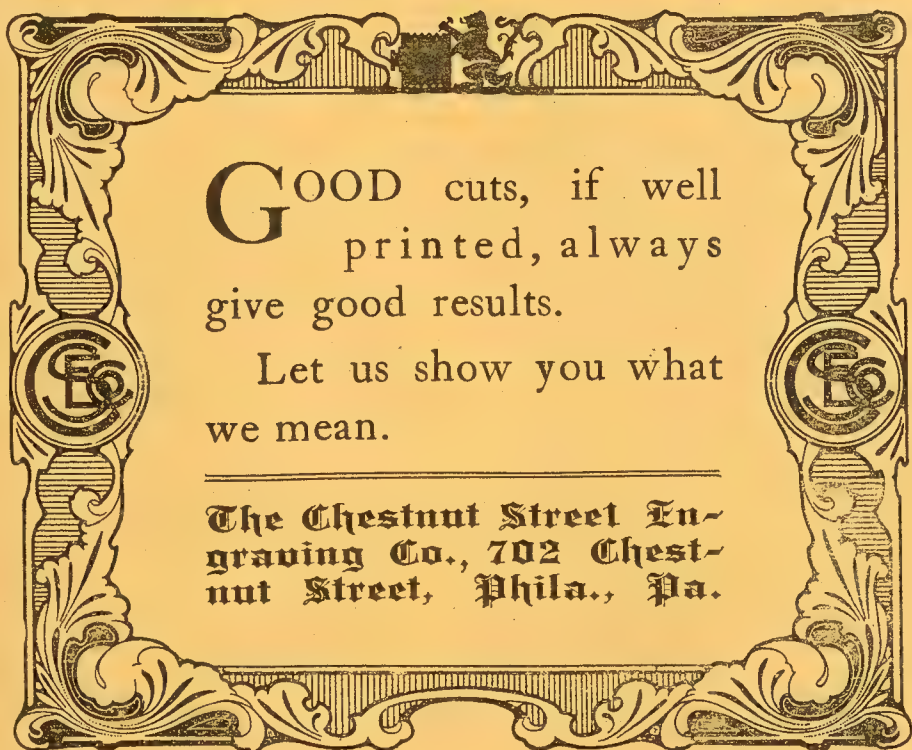
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# THE PHILADELPHIA REAL ESTATE RECORD AND *Builders' Guide*

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Vol. XXVII., No. 12.

PHILADELPHIA, WEDNESDAY, MARCH 20, 1912.

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## Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Stable**, Atlantic City, N. J. Architects, Mortensen & Co., 114 East Twenty-eighth street, N. Y. Owners, American Ice Company, Sixth and Arch streets. Brick, three stories, 46x140 feet, slag roof. Owners taking bids, due March 21. Irwin & Leighton, 126 North Twelfth street, are figuring.

**Church (alt. and add.)**, Kittanning, Pa. Architects, Brazer & Robb, New York City. Owners, St. Paul's P. E. Church. Stone, one story and basement, 56x25 feet and 20x31 feet, slate roof, electric lighting, steam heating. Architects taking bids, due April 4. J. E. & A. L. Pennock, Land Title Building; Abel Bottoms & Sons, 41 South Fifteenth street, are figuring.

**Residence**, Park and Medary avenues. Architect, Lawrence Clark, 1001 Witherspoon Building. Owner, Katherine Murphy, care of architect. Frame, two and one-half stories, 30x62 feet, shingle roof, electric lighting, hardwood floors, steam heating. Revised plans in progress. Will take bids in one week.

**Factory Building**, Bristol, Pa. Architect, C. T. Main, engineer, Boston, Mass. Owners, William H. Grundy & Co., Bristol, Pa. Brick and concrete, steel, fireproof, one, two and three stories, electric lighting, slag roof, steam heating. Owners taking bids, due March 21. The following are figuring: J. E. & A. L. Pennock, Land Title Building; Stacey, Reeves & Son, 1611 Filbert street; Cramp & Co., Denekla Building; J. S. Rogers Company; Stanwick, N. J.; Turner G. Forman, 1314 Arch street.

**New Residence (alt. and add.)**, and **Store**, Atlantic City, N. J. Architect, J. Anderson, Drexel Building. Owner, I. Mikkal, 248 South Twelfth street. Brick, three stories, 47x50 feet, electric lighting, hot water heating, slate roof and slag roof. Owners taking bids, due March 21. F. B. Davis, 35 South Seventeenth street, is figuring.

**Book Stack Room**, Haverford, Pa. Architects, Bailey & Bassett, 421 Chestnut street. Owners, Haverford College, Haverford, Pa. Stone, concrete, steel, fireproof, 30x50 feet, 35 feet high, slag roof and glass skylight, steel book stacks. Architects, taking bids, due March 23. A. Whitehead, 1824 Latimer street; J. Myers & Sons, Witherspoon Building; R. C. Ballinger & Co., 218 North Thirteenth street; J. E. & A. L. Pennock, Land Title Building; Doyle & Co., 1519 Sansom street; Metzger & Wells, Heed Building.

**Museum (add.)**, Thirty-third and Spruce streets, \$500,000. Architects, Wilson Eyre &

McIlvaine, Day Bros. & Klauder, and Stewardson & Page, association. Owners, University of Pennsylvania, on premises. Brick and fireproof, terra cotta, two stories, tile roof, electric lighting, steam heating, hardwood floors. Plans in progress.

**Foundry, Shops and Offices**, Twenty-third and Westmoreland street. Architect, W. St. Blithe, 608 Chestnut street. Owner, Bureau Bros., Twenty-first and Allegheny avenue. Concrete, brick and steel, fireproof, one and two stories, 100x100 feet, slag and slate roof, electric light, steam heating. Plans in progress. Architect to take bids in one week.

**Book Stack Room**, Haverford, Pa. Architects, Bailey & Bassett, 421 Chestnut street. Owners, Haverford College, Haverford, Pa. Stone, concrete, steel, fireproof, 30x50 feet, 35 feet high, slag and glass skylight roof, iron window frames, steel book stacks. Plans completed. Architects to take bids in a few days.

**Factory**, Philip and Green streets, Germantown, Philadelphia. Architects, Furness, Evans & Co., Provident Building. Owners, Valentine H. Smith & Co., on premises. Brick, five stories, 30x72 feet, electric lighting, steam heating, slag roof. Architects taking bids, due March 23. The following are figuring: Philadelphia Fireproofing Company, 1341 Arch street; Thomas Little & Sons, 1615 Sansom street; Stewart Bros., 2526 North Orkney street; Doak & Co., Crozer Building; H. C. Rea Company, 711 North Fifteenth street; H. E. Baton, Tenth and Sansom streets; William R. Dougherty, 1608 Sansom street; B. Ketcham's Son, 1029 Brown street; A. Whitehead, 1624 Latimer street; Henry Specht, Willow Grove, Pa.

**Church**, Twenty-third and Lehigh avenue. Architect, H. D. Dagit, 411 Walnut street. Owners, St. Columbia's R. C. Church, on premises. Stone, one story, 68x161 feet, electric light, steam heat, hardwood floors, slate roof. Architect taking bids, due March 27. The following are figuring: Doyle & Co., 1519 Sansom street; Cramp & Co., Denekla Building; Melody & Keating, Bailey Building; W. J. McShane, 417 South Thirteenth street; William R. Dougherty, 1608 Sansom street.

**Residence**, Merion, Pa. Architect, Robeson L. Perot, 26 South Seventeenth street. Owner, Martin J. Mulkin, North American Building. Stone, rough cast, two and one-half stories, 30x56 feet, hardwood floors, hot water heating. Plans about completed.

**Apartment House**, Stone Harbor, N. J. Architect, H. L. Reinhold, Tenth and Sansom

streets. Owners, Mrs. Mary McCrane, Bordentown, N. J. Frame, two and one-half stories, six apartments, shingle roof, hot water heating, electric lighting. Plans in progress.

**Laboratory Building**, Broad and Venango streets. Architect, H. C. Wise, 34 South Sixteenth street. Owners, Temple University, on premises of the Samaritan Hospital. Brick, stone and terra cotta, three stories, 34x80 feet, electric lighting, steam heating, slag roof. Plans about completed.

**Residence (alt. and add.)**, Sumac street, Wissahickon, Philadelphia. Architect, Herman Miller, Crozer Building. Owner, Rev. G. F. Nelson, care of architect. Stone, two and one-half stories, 25x40 feet, electric lighting, hot water heating, hardwood floors, tile roof. Architect taking bids, due March 26. The following are figuring: John W. Emery, 1524 Sansom street; John Swarthly & Co., 1325 Arch street; William H. Eddleman, 435 Green lane; E. J. Kreitzburg, 1345 Arch street; Ed. Fays & Sons, 1521 Sansom street; William R. Dougherty, 1608 Sansom street.

**Factory**, Delaware ave and Cooper street, Camden, N. J. Architects, Ballinger & Perrot, 1211 Arch street. Owners, Eterbrook Steel Pen Company, Camden, N. J. Architects taking revised bids, due March 20. The following are figuring: A. R. Raff, 1635 Thompson street; B. Ketcham's Sons, 1029 Brown street; Appleton & Burrell, 1204 Chancellor street; H. C. Rea Company, 711 North Fifteenth street; J. S. Rogers Company, Stanwick, N. J.; Cramp & Co., Denekla Building; Irwin & Leighton, 126 North Twelfth street; D. H. Sharp, Camden, N. J.

**Lodge Building**, 309 North Main street, Lansdale, Pa. Architects, Ralph Schofenacker & Conner, Lansdale, Pa. Owners, Shiloh Dodge, No. 558, T. & A. M., Lansdale, Pa. Brick, three stories, 85x55 feet, electric light, steam heating, slag roof. Architects have received bids.

**Church**, Fortieth and Powelton avenue. Architect, A. A. Ritcher, Lebanon, Pa. Owners, St. Stephen's Evangelical Lutheran Church, Fortieth and Powelton avenue. Stone, one story and basement, 75x100 feet, slate roof, electric lighting, steam heating. Owners taking bids, due March 26. The following are figuring: B. P. Evans & Co., Thirteenth and Wallace streets; F. L. Hoover & Son, Builders' Exchange; Stacey, Reeves & Sons, 1611 Filbert street; William R. Dougherty, 1608 Sansom street; T. C. Trafford, 1613 Sansom street; J. Myers & Sons, Witherspoon Building; A. R. Raff, 1635 Thompson street.



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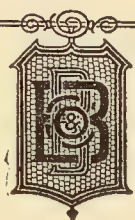
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ARCHITECTS' DESIGNS EXECUTED and ARCHITECTURAL IRON WORK

Phones: BELL-LOCUST 1-24 N. E. Cor. 22d and Wood Streets  
KEYSTONE-RACE 8-24

Store (alt. and add.), 800 Arch street. Architect, L. E. Denslow, 44 West Eighteenth street, New York. Owners, United Cigar Store Company, 218 Mint Arcade Building, Philadelphia. Steel and wood, one story, electric light, steam heating. Owners taking bids, due March 21. The following are figuring: J. G. Doak & Co., Crozer Building; Smith Hardican Company, 1606 Cherry street; Ed. Fay & Son, 1521 Ranstead street; F. A. Havens & Co., 845 N. Nineteenth street.

..Stable and Garage, Roxborough, Philadelphia. Architects, Peuckert & Wunder, 310 Chestnut street. Owners, St. Timothy's Hospital, on premises. Brick, two stories, 20x60 feet, electric lighting, steam heating, slate roof. Architect taking bids, due March 25. The following are figuring: George Hogg, 1634 Sansom street; George & Borst, 277 South Eleventh street; E. L. Cuthbertson, 334 Roxborough street; W. H. Eddleman, 453 Green Lane.

Store (3), 5215-17-19 Market street. Architect, R. Warner, 5146 Market street. Owner, William Freihofer, Twentieth and Indiana ave. Brick, two stories, 20x100 feet, slag roof, electric lighting, steam heating. Architect taking bids, due March 21. J. R. Wiggins & Co., Heed Building; George F. Pawling & Co., Broad and Vine streets, are figuring.

Building (alt. and add.), Broad and Walnut streets. Architects, Magaziner & Potter, 137 South Fifth street. Owners, North German Lloyd Steamship Company, on premises. New front and interior alterations. Plans in progress.

Residence (alt. and add.), 2030 Spring Garden streets. Architects, Magaziner & Potter, 137 South Fifth street. Owner, Mrs. A. Fleicher, care of architect. Interior alterations. Plans in progress.

Post Office, Steelton, Pa. Architects, James Knox Taylor, Washington, D. C. Owners, U. S. Government, Treasury Department, Washington, D. C. Stone, one story and basement, 57x80 feet, electric lighting, steam heating, tin roof. Owners taking bids, due April 4. The following are figuring in addition to those previously reported: H. L. Brown, 1714 Sansom street; H. E. Baton, Tenth and Sansom streets; Chas. McCaul Company, Tenth and Sansom streets; W. E. Dotts & Co., 148 North Second street; P. J. Hurley, 1233 Cherry street; A. Whitehead, 1624 Latimer street.

Residence, Wilmington, Del. Architect, Charles B. Keen, Bailey Building. Owner, Dr. Joseph Whales, Wilmington, Del. Sayre & Fisher brick, two and one-half stories, 50x40 feet, electric lighting, vapor heating, shingle roof, hardwood floors. Plans in progress. Architect will take bids in about ten days.

Residence, Wilmington, Del. Architect, Charles Barton Keen, Bailey Building. Owner, James F. Nields, DuPont Building, Wilmington, Del. Sayre & Fisher brick, two and one-half stories, 50x30 feet, shingle roof, vapor heating, electric lighting, hardwood floors. Plans in progress. Architect will take bids in about two weeks.

Residence, Ardmore, Pa. Architect, Charles Barton Keen, Bailey Building. Owner, A. Reid McIntire, 723 Sansom street. Stone, two and one-half stories, 45x60 feet, shingle roof, hardwood floors. Plans in progress. Architect will take bids in three weeks.

Office Building, Chester, Pa. Architect, pri-

vate plans. Owner, Benjamin C. Fox, Chester, Pa. Brick, two stories, 25x35 feet, electric lighting, slag roof. Plans in progress. Owner will take bids.

Houses (154), Olney, Pa. Architect, private plans. Owners, P. J. & J. T. Whelan, 1208 Betx Building. Brick, two and three stories, slag roof, electric light, hot air heat. Owner to take sub-bids.

Residence, Chestnut Hill, Philadelphia, \$25,000. Architect, Charles Barton Keen, Bailey Building. Owner, Henry A. Laughlin, Chestnut Hill, Pa. Stone, two and one-half stories. New plans in progress.

Residences (2), Seminole avenue, Chestnut Hill, \$15,000 each. Architect, Frank Seeburger, Pennsylvania Building. Owner, William H. Wilson, 1818 Chestnut street. Stone and brick, two and one-half stories, slate roof, hot water heating, electric lighting, hardwood floors. Architect has received bids.

Residence, St. Martin's, Philadelphia, \$20,000. Architect, Edmund B. Gilchrist, Harrison Building. Owner, Dr. George Woodward, North American Building. Brick and plaster, two and one-half stories, 28x100 feet, shingle roof, hot water heating, electric lighting, hardwood floors. Plans in progress. Architect will take bids in about two weeks.

Store and Residence (alt.), Poplar and Randolph streets, \$4,000. Architects, B. J. Medoff & Son, 524 Walnut street. Owner, Israel Spielberg, 944 North Franklin street. Brick, three stories. Owner is ready for bids.

..Store and Residence, 2569 East Clearfield street, \$3,000. Architects, B. J. Medoff & Son, 524 Walnut street. Consists of new front, etc., slag roof, electric lighting, hot water heating. Owner is ready for bids.

Factory Building (add.), Willard and Jasper streets. Architects, Jacob Naschold, 723 Walnut street. Owners, Peerless Dye Works, on premises. Brick, concrete, four stories, 59x43 feet, slag roof, electric lighting, steam heating. Revised plans in progress.

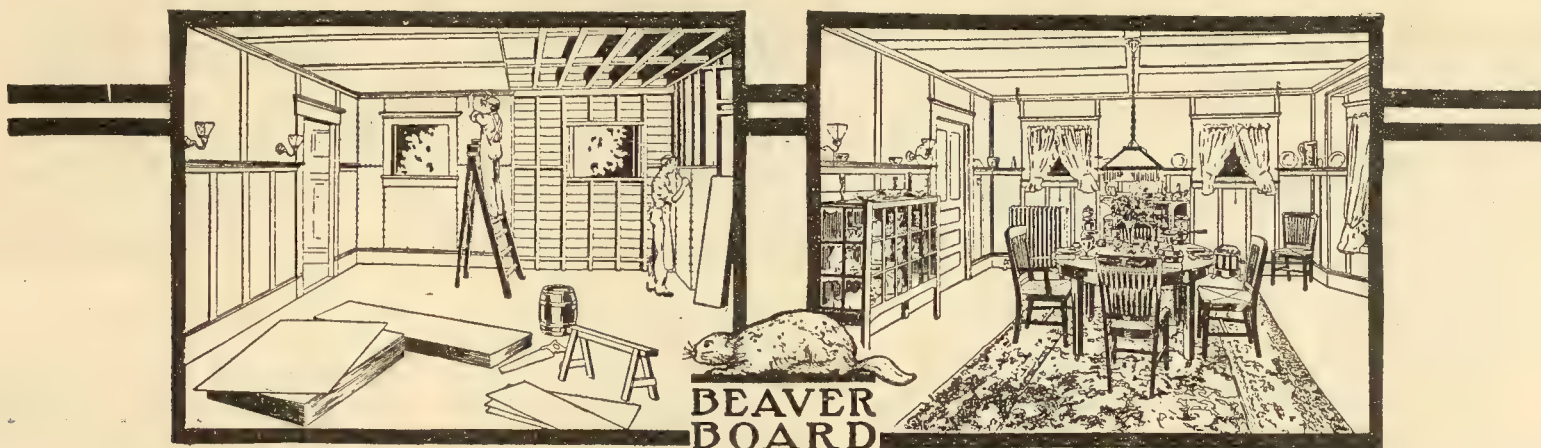
Y. M. C. A., Louisville, Ky. Architects, K. McDonald and W. J. Dodd, Louisville, Ky. and Shattuck & Haussey, Chicago, Ill., Association. Owners, Louisville Y. M. C. A. Association Building. Brick, concrete and stone, seven stories, 145x160 feet, composition roof, electric lighting, steam heat. Architects taking bids, due April 10. The following are figuring: H. P. Wells, Witherspoon Building; James G. Doak & Co., Crozer Building; Metzger & Wells, Heed Building; J. E. & A. L. Pennock Land Title Building.

Church, Long Branch, N. J. Architects, Brazer & Robb, 1133 Broadway, N. Y. Owners, St. James' Church, Long Branch, N. J. Brick, one story and basement, 152x45 feet, slate roof, electric lighting, steam heating. Architects taking bids, due March 28. Abel Bottoms & Son, 41 South Fifteenth street, are figuring.

Residence, Eighteenth and Race streets. Architect, Henry Lagit, 411 Walnut street. Owner, Rev. E. F. Prendegast, 228 West Logan square. Stone, brick, three stories and basement, 53x100 feet, slate roof, electric lighting, hot water heat, hardwood floors. Plans in progress.

Garage, 4088 North Fifty-third street. Architect, E. Allen Wilson, 1208 Chestnut street. Owner, Mr. John McKeeman, 1488 North





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**Banking House**, 1410 Chestnut street. Architect, Richard C. Loos, 1617 Chestnut street. Owner, Newburger, Henderson & Loeb, 527 Chestnut street. Marble, two stories, 19x90 feet, electric lighting, slag roof. Plans in progress. Bids taken in two weeks.

**Garage**, 2126-28-30 Market street. Architects, Stuckert & Sloan, Crozer Building. Owner, Frank Hardart, 818 Chestnut street. Brick, concrete, fireproof, slag roof, 66x125 feet, two stories and basement, electric lighting, steam heating. Working drawings in progress. Architects will take bids in about ten days or two weeks.

**Post Office**, Massillon, Ohio. Architect, James Knox Taylor, Washington, D. C. Owner, U. S. Government, Treasury Department, Washington, D. C. Stone and brick, one story, 62x79 feet, slag roof, electric light, steam heating. Owners taking bids, due March 29. J. E. & A. L. Pennock, Land Title Building, are figuring.

**Post Office**, Westerly, R. I. Architect, J. K. Taylor, Washington, D. C. Owner, U. S. Government, Treasury Department, Washington, D. C. Stone and brick, one story, 54x90 feet, steam heating, tile roof, electric lighting. Owners taking bids, due April 8. J. E. & A. L. Pennock, Land Title Building, are figuring.

**Power House** (add.), Comley and Milnor streets. Architect, Albert C. Wood, Pennsylvania Building. Owner, Quaker City Rubber Company, 629 Market street. Brick, one story, 10x53 feet, addition, slag roof. Architect has received bids.

**Residences** (8), Lincoln Drive and Carpenter street. Architects, Savery, Sheetz & Savery, Stephen Girard Building; (2) Druckenmiller, Stackhouse & Williams, Land Title

Building; (4) McIlvaine & Roberts, Land Title Building. (2). Owners, E. I. & B. I. Carroll, Land Title Building. Brick, stone and rough cast, two and one-half stories, average 30x55 feet, slate and shingle roof, electric light, hot water heating, hardwood floors. Plans in progress.

**Apartments** (12), Fifty-fifth and Walnut streets. Architect, E. Allen Wilson, 1208 Chestnut street. Owner, Richard McDougal, 232 South Forty-fifth street. Brick, two stories, 18x60 feet, slag roof, electric light, steam heating. Plans completed.

**Flat House**, Broad and Wharton streets. Architect, Samuel Milligan, 520 Walnut street. Owners, Carson Realty Company, Broad and Wharton streets. Tapestry brick, sandstone, four stories, 68x200 feet, slag roof, steam heat, electric light, hardwood floors. Owners taking sub-bids.

**Factory, Buildings**, 4, 5, 6, 7 and 8 Erie avenue and Sepviva street. Architects and builders, William Steele & Sons, Sixteenth and Arch streets. Owner, Isaac Sheppard & Co., on premises. Brick and concrete, one, two and three stories, slag roof, electric lighting, steam heating. William Steel & Sons, Sixteenth and Arch street, are taking sub-bid.

**Residence**, Conshohocken, Philadelphia. Architects, Brockie & Hastings, 328 Chestnut street. Owner, G. T. Lukens, Conshohocken, Pa. Brick, two and one-half stories, 36x37 feet. Shingle roof, hot water heating. Architects taking bids, due March 24th. Metzger & Wells, Heed Building, are figuring.

**Cannery**, Millville Turnpike, Bridgeton, N. J. Architects, Sauer & Hahn, 1118 Chestnut street. Owners, the Jewish Agricultural and Industrial Aid Society, care of architects. Walter Baker Cannery, frame buildings (3), one story, 72x90 feet, 48x100 feet and 27x50 feet. Slag roof, electric lighting. Architects

taking bids, due March 2nd. The following are figuring: Henry Hoffman, Millville, N. J.; A. R. Moore, Millville, N. J.; James J. Hoffman, Millville, N. J.; Burt Garrison, Millville, N. J.; H. Hankins, Bridgeton, N. J.

**School**, Vineland, N. J., \$20,000. Architects, Moffett & Stewart, Jessup Building, Camden, N. J. Owners, Vineland Training School for Feeble Minded Children, care of Hon. P. P. Baker. Brick, two stories, 96x65 feet. Slag roof, steam heating, 12 rooms. Plans in progress.

**Residence**, West Chester, Pa. Architects, Duhring, Okie & Zeighler, Bailey Building. Owner, A. B. Williamson, West Chester, Pa. Brick, two and one-half stories. Electric lighting, hot water heating. Architects taking bids, due March 23rd. The following are figuring: Smedley & Hoopes, West Chester, Pa.; P. E. Jefferies, West Chester, Pa.; C. Baldwin, West Chester, Pa.; R. C. Ballinger & Co., 218 North Thirteenth street; William R. Dougherty, 1608 Sansom street.

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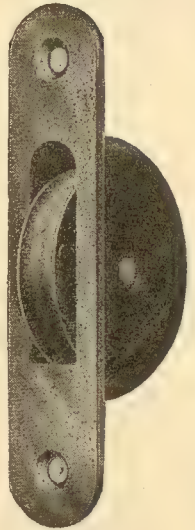
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Lead Filled Safety Treads

**Barn and Cow Stable**, Hatboro, Pa. Arch-  
itects, Clyde S. Adams, 1329 Arch street.  
Owner, the Orange Home, Hatboro, Pa.  
Frame, two stories, 45x45 feet. Shingle roof,  
electric lighting. Architects taking bids, due  
March 28th. The following are figuring: J.  
Randsey, Iveland, Pa.; A. B. Slack, Hatboro,  
Pa.; E. Krewson, Hatboro, Pa.; J. Puff, Hat-  
boro, Pa.; Boyer & Lewis, Camden, N. J.;  
A. Chambely, 243 South Tenth street; W. J.  
McAdams, 1815 South Eighteenth street; A.  
McQuillen, 1308 South Seventeenth street.

**Town Hall**, Riverside, N. J., \$6,500. Archi-  
tects, Moffett & Stewart, Jessup Building,  
Camden, N. J. Owners, Township Committee,  
Riverside, N. J. Brick, one and one-half  
stories, 30x56 feet. Electric lighting, slag  
roof, hot air heating. Plans in progress. Will  
take bids in three weeks.

**School (add.)**, Pitman, N. J., \$14,000. Archi-  
tects, Moffett & Stewart, Jessup Building,  
Camden, N. J. Owners, Board of Education  
of Pitman, care of L. Kennerer. Brick and  
stone, two stories and basement, 36x65 feet.  
Slag roof, electric lighting, steam heating.  
Plans in progress. Bids due in one month.

**Factory**, Randolph and Callowhill streets.  
Architects, Peuckert & Wunder, 310 Chestnut  
street. Owners, Berko Brothers, 327 North  
Randolph street. Concrete, four stories, 95x  
60 feet. Plans in progress. Architects will  
take bids in about two weeks.

**Residence (alt. and add.)**, Oreland, Pa.  
Architects, Stewardson & Page, 320 Walnut  
street. Owner, A. C. Harrison, 400 Chestnut  
street. Stone, two stories. Shingle roof, elec-  
tric lightin, hardwood floors (heating reserv-  
ed). Architects taking bids, due March 21st.  
The following are figuring: William R. Dough-  
erty, 1610 Sansom street; James B. Flounders,  
1329 Arch street; Carr & Hinckle, 5822 Ger-  
mantown avenue.

**Flat Houses (20)**, Fifty-fifth and Thorne  
streets. Architect, J. Frank Bradley, Hale  
Building. Owner, George Ruhland, Fourth  
and Rockland streets. Brick, two stories,  
19x60 feet. Slag roof, hot water heating,  
electric lighting, hardwood floors. Owner is  
taking sub-bids.

**Apartments (12)**, Logan, Pa. Architect,  
E. Allen Wilson, 1208 Chestnut street. Own-  
er, Harold C. Irvin, 1004 East Cheltenham ave-  
nue. Brick, two stories, 20x78 feet. Slag roof, elec-  
tric lighting, steam heating. Plans com-  
pleted.

**Houses, Stores and Apartments**, Borough of  
Queen's, Long Island, N. Y., \$4,000 to \$10,000.  
Architect, E. Allen Wilson 1208 Chestnut  
street. Owners, Queensborough Corporation  
of New York City. Houses, brick, stone,  
frame and stucco, two and one-half stories.  
Stores, two stories. Brick and apartments.  
Slag and slate roof, and shingle, electric

lighting, steam heating, hot water heating.  
Plans in progress.

**Apartments (alt. and add.)**, 5108 Spruce  
street. Architect, E. Allen Wilson 1208 Chest-  
nut street. Owner, William Alges, 5108  
Spruce street. Brick, alterations and addi-  
tions. Plans in progress.

**Grammar School**, Ardmore, Pa., \$60,000.  
Architects, Furness & Evans, Provident Build-  
ing. Owner, Lower Merion Township. Stone,  
two stories and basement, 12 class rooms,  
steam heating, slate roof, electric lighting.  
Plans in progress.

### TRENTON, N. J.

**Garage**, Pennington avenue, Trenton, N. J.,  
\$10,000. Architects, Klemann & Fowler, First  
National Bank Building, Trenton, N. J. Own-  
er, E. E. Myers, Trenton, N. J. Brick, three  
stories, 75x90 feet. Slag roof, electric light-  
ing, steam heating. Plans in progress.

**Coal Yard Office and Plant**, Third and Cass  
streets, Trenton, N. J., \$25,000. Architect, W.  
P. Enderbrook, American Mechanics' Build-  
ing, Trenton, N. J. Owners, Daymond &  
Wenzel, Trenton, N. J. Brick, one and two  
stories. Slag roof, electric lighting. Owners  
will take bids.

**Store, Apartments and Residences (2)**, Bell-  
vue avenue, Trenton, N. J., \$15,000. Archi-  
tect, H. A. Hill, 40 East State street, Trenton,  
N. J. Owner, Israel Wagner, Trenton, N. J.  
Brick, two and three stories, 58x81 feet.  
Electric lighting, steam heating, hardwood  
floors, slag roof. Architect taking bids, due  
March 24. The following are figuring:  
Henry Taut, David Teily & Sons, Samuel  
Mather, S. Hilton, Scott & Day, Painter &  
Kohn, all of Trenton, N. J.

**Church and School**, Atlantic City, N. J.,  
\$25,000. Architect, W. P. Enderbrook, Amer-  
ican Mechanics' Building, Trenton, N. J.  
Owners, St. Michael's Church, 6 North Mis-  
sissippi avenue, Atlantic City. Brick and  
stone, three stories, 50x140 feet. Electric  
lighting, steam heating, slag roof, hardwood  
floors. Owners will take bids.

**School (alt. and add.)**, Brunswick and Mul-  
berry streets, Trenton, N. J. Architect, W.  
A. Poland, Broad Street Bank Building, Tren-  
ton, N. J. Owners, Columbia's School, Tren-  
ton, N. J. Brick, three stories, 12-room addi-  
tion. Electric lighting, steam heating, slate  
roof. Plans in progress.

**Residence**, Hillcrest avenue, Trenton, N. J.,  
\$7,000. Architect, W. A. Poland, Broad Street  
Bank Building, Trenton, N. J. Owner, C. B.  
Higgins, Trenton, N. J. Brick and plaster,  
two and one-half stories, 30x32 feet. Electric  
lighting, hot water heating. Owners will take  
sub-bids.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man  
and Interior and Exterior Fitter.

**Store Building**, 267-69 Callowhill street.  
Architects, Koelle, Speth Comptny, Twenty-  
sixth and Oxford streets. Owner, Fred Stein,  
on premises. Brick, steel and concrete, four  
stories, 35x20 feet, slag roof. Contract award-  
ed to George Kessler, Drexel Building.

**Residence**, Bala, Pa. Architects, Day Bros.  
& Klauder, 923 Chestnut street. Owners,  
Isaac W. Roberts, Land Title Building. Stone,  
two and one-half stories, 50x152 feet, electric  
lighting, steam heating. Contract awarded  
to J. P. Thompson, 1432 South Penn square.



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**Theatre (alt. and add.),** 5206-08 Market street. Architects, Stuckert & Sloan, Crozer Building. Owners, Grand Amusement Company, on premises. Remodeling, two story, brick. Contract awarded to E. E. Hollenback, Fifteenth and Race streets.

**Garage,** Wynnewood, Pa. Architects, Bailey & Bassett, 421 Chestnut street. Owner, H. W. Campbell, on premises. Stone, frame, plaster, one and one-half stories, 20x20 feet, shingle roof, electric lighting, hot water heating. Contract awarded to Gray Bros., Rosemont, Pa.

**Public Library,** Falls of Schuylkill, Philadelphia, \$40,000. Architects, Rankin, Kellogg & Crane, 1012 Walnut street. Owners, city of Philadelphia, care of William Thompson, Thirteenth and Locust street. Brick and stone, one story. Contract awarded to J. Myers & Sons, Witherspoon Building.

**Freight House and Office,** Wayne Junction, Pa. Architect, William Hunter, Reading Terminal. Owners, Germantown and Chestnut Hill Branch, P. R. R. Company. Concrete and brick, steel, one story, 111x30 feet, slag roof, electric lighting. Contract awarded to Geo. Hogg, 1634 Sansome street.

**Plant (add.),** 240 West Somerset street, \$8,000. Architect, private plans. Owner, E. F. Houghten & Co., on premises. Brick, three stories additional, slag roof, electric lighting. Contract awarded to Bushnell Bros., 2246 North Fifth street.

**Club House (alt. and add.),** Indian Queen Lane, Falls of Schuylkill, Philadelphia, \$6,100. Architect, M. Dunlap 3414 Ainslie street. Owners, Young Men's Association, President, T. H. Wilcox, Jr. Brick and stone, one story, 45x44 feet, electric light, hot water heating. Contract awarded to Gottlob Steinle, Falls of Schuylkill, Philadelphia.

**School,** Lindley street below Ninth and Hutchinson streets. Architect, J. H. Cook, City Hall. Owners, Board of Education of Philadelphia. Brick, three stories, 85x162 feet, electric light, slag roof, steam heat. Contract awarded to H. H. Wehmeyer, 1004 West Lehigh avenue.

**Residence,** Wynnewood, Pa. Architects, De Armond, Ashmead & Bickley, 618 Chestnut street. Owner, Charles A. Moore, Real Estate Trust Building. Stone, two and one-half stories, 26x40 feet steam heating, hardwood floors, shingle roof. Contract awarded to Metzger & Wells, Heed Building.

**Residence and Stable,** Jenkintown, Pa. Architect, private plans. Owners, H. & A. Shaffer, Jenkintown, Pa. Brick, two and one-half stories, 26x61 feet, slag roof, electric lighting, steam heating. Contract awarded to W. J. Stevens, Wyncote, Pa.

**Residence and Stable,** Pitman, N. J., \$8,000. Architect, Charles R. Peddle, 136 South Fourth street. Owner, Mr. Long, Camden, N. J. Tile or brick, rough cast, two and one-half stories, 28x40 feet, hot water heating, electric lighting. Contract awarded to Carter Bros., Pitman, N. J.

**Farm House (alt. and add.),** Media, Pa. Architects, Magaziner & Potter, 137 South Fifth street. Owner, Dr. J. H. Gibbon, Media, Pa. Frame, two and one-half stories. Contract awarded to James B. Flounders, 1329 Arch street.

**Store and Dwelling,** Highland Park, Pa. Architect, F. H. Keisker, Perry Building. Owner, Louis Reed, care of architect. Brick, two and one-half stories, 32x40 feet, tile roof, electric lighting, hot water heating. Contract awarded to Thomas E. Collins, Highland Park, Pa.

**Residence,** Oak Lane, Philadelphia. Architect, Valentine B. Lee, 6603 North Eleventh street. Owner, A. W. Fairley, 1609 North Seventeenth street. Brick, two and one-half stories, 50x56 feet, shingle roof, stucco, hot water heating. Contract awarded to Fesmier & Mitchell, Glenside, Pa.

**Alt. and Add. for Apartments,** Seventeenth and Wharton streets. Architect, C. E. Rahn, 410 Walnut street. Owner, J. H. Cassidy, Seventeenth and Wharton streets. Brick, three stories. Slag roof, electric lighting, steam heating. Contract awarded to Dillon & Brassi, 1223 South Twentieth street.

**Paris House,** Thirty-second and Master streets. Architect, Otto C. Wolf, Denckla Building. Owners, Bergner & Engel Brewing Company, on premises. Brick, two stories, 66x78 feet. Electric lighting, slag roof. Contract awarded to E. E. Hollenback, Fifteenth and Race streets.

**Laboratory Building,** Thirty-fourth and Girard avenue. Architect, Horace Trumbauer, Land Title Building. Owners, Zoological Garden Society, Thirty-fourth and Girard avenue. Pompeian brick, two stories, 73x33 feet. Tile roof, electric lighting, steam heating. Contract awarded to J. S. Cornell & Sons, Land Title Building.

story, 38x88 feet, Ridge avenue and Louis-town street.

W. Walsh (O), 2707 Hancock street. D. W. O'Dea (C), 5219 North Fifth street. Cost, \$4,000. Dwelling, brick, two stories, 16x66 feet, Fifth and Duncannon avenue.

H. Gross (O), 450 Livingston avenue. W. H. Eddleman (C), 453 Green Lane. Cost, \$3,800. Dwelling, brick, three stories, 20x50 feet, Livingston and Mitchell streets.

Harry W. Keist (O), Eighteenth and Pike streets. Cost, \$22,000. Dwelling, brick, two stories 15x40 feet, 3857-65 North Gratz street Cost, \$32,400. Twelve dwellings, brick, two stories.

Rev. E. F. Prendegast (O), Eighteenth and Summer streets. W. J. McShane (C), 417 South Thirteenth street. Cost, \$30,100. School, 77x96 feet, three stories. Store, Sedgley and Twenty-eighth street.

J. Sampson (O), Eighty-third and Cuthus street. E. G. Burwell (C), 2327 Ellsworth street. Cost, \$1,800. One dwelling, 16x40 street, Eighty-fifth and Eastwick avenue.

J. M. Cassel & Son (O), 2717 North Twelfth street. Cost, \$9,200. Four dwellings, two stories, 16x45 feet, Ontario and Frankford avenue.

James Jones (O), Eighty-fourth and Bartram avenue. Cost, \$2,900. One dwelling, brick, 18x50 feet.

Yaskin & Shefie (O), 7717 Brewster street. Cost, \$14,000. Eight two-story dwellings, 14x34 feet, Seventy-seventh and Layacock avenue.

University of Pennsylvania (O), Thirty-fourth and Chestnut street. William R. Dougherty (C), 1608 Sansom street. Cost, \$70,000. Hospital, two stories, 208x44 feet, Thirty-nine and Baltimore avenue.

Seville Melodew (O), 5206 Ridge avenue. Cost, \$7,600. Four dwellings, two stories, 16x43 feet, Ridge avenue and Lewiston street.

J. M. Walton (O), 4205 Chestnut street. J. A. Mullen (C), 5512 Vine street. Cost, \$1,500. Garage, two stories, brick, 24x22 feet, 4502 Chestnut street.

O. B. Carmean (O), 236 South Fifth street. Cost, \$5,500. One dwelling, brick, three stories, 16x52 feet, Forty-ninth and Chancellor streets. Cost, 67,500. Fifteen dwellings, brick, three stories, 16x52 feet, Forty-ninth and Chancellor streets. Cost, \$13,500. Thirteen dwellings, brick, three stories, 16x52 feet, Forty-ninth and Chancellor streets. Cost, \$5,500. One dwelling, brick, three stories, 16x52 feet, Forty-ninth and Chancellor streets.

## Alterations and Additions

Trustees Medico-Chirurgical Hospital (O), Eighteenth and Cherry streets. McTavish & Hazzard (C), 1515 Pine street. Cost, \$15,000. Hospital.

J. J. Brill Company (O), Sixty-third and Woodland avenue. H. E. Baton (C), Tenth and Sansom streets. Cost, \$8,000. Shop, Sixty-third and Woodland avenue.

J. Kadisch (O), 1301 Moyamensing avenue. Smith Hardican Company (C), 1606 Cherry street. Cost, \$1,800. Dwelling and saloon, 1301 Moyamensing avenue.

L. Kopperman (O), 1624 Franklin street. C. Diare & Sons (C), 3518 Kensington avenue. Cost, \$1,200. Dwelling, 810 Columbia avenue.

Mrs. A. Brown (O), 2912 Kensington avenue. L. Isaacman (C), 330 Catherine street. Cost, \$800. Store and dwelling.

D. W. Van Tine (O), 1936 North Park avenue. W. Easterbrook (C), 519 Commerce street. Cost, \$2,000. Factory, 1130 Race street.

## Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Walter Rowland (O), Dexter and Lyceum streets. Cost, \$22,000. Eight dwellings, brick, three stories, 16x51 feet. 31527 Lyceum avenue.

Cornelius Kiely (O), 312 West Lymour street. Cost, \$14,400. Twelve dwellings, brick, two stories, 14x45. Richmond street.

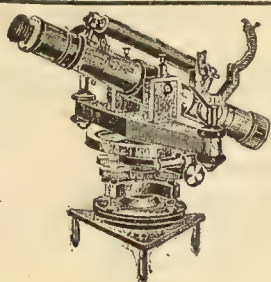
H. O. Werterman (O), Melrose Park, Pa. H. W. Post & Son (C), Camden, N. J. Cost, \$4,000. Residence, brick, three stories, 50x30 feet, Rising Sun lane and Magee street.

S. Krazek (O), 2514 Orthodox street. R. Wolf (C), 2317 Somerset street. Cost, \$6,500. Dwelling, brick, two stories, 20x44 feet, 2514 Orthodox street.

A. W. Fairley (O), 2316 North Twenty-first street. Fesmier & Mitchell (C), Glenside, Pa. Cost, \$7,000. Dwelling, brick, three stories, 41x38 feet, Oak Lane, Philadelphia.

Melloden and Rudolph (O), 5225 Ridge avenue. Cost, \$2,800. One theatre, brick, one





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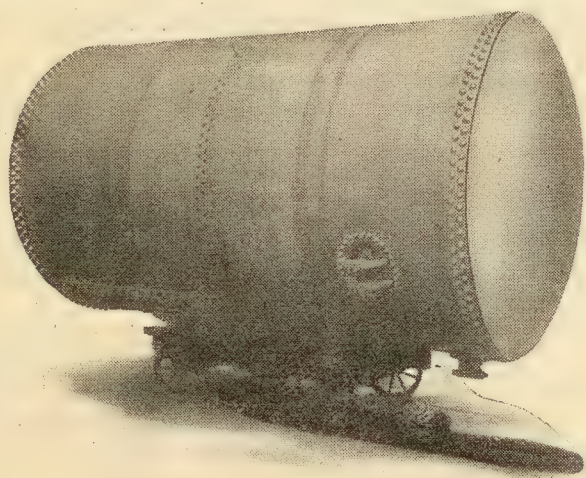
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H. Stenzel (O), 2006 North Fifth street.  
H. A. Smink (C), 5320 North Twelfth street.  
Cost, \$500. Shed, 2001 Race street.

C. W. Nichols (O), 918 Beech street. H. J. Webster (C), 1110 Harrison Building. Cost, \$5,000. Power house.

Joseph Rebsteek (O), 5023 North Fifth street. J. N. Rumhardt (C), 3820 North Sixth street. Cost, \$1,000. Dwelling, Fifth and Ashdale street.

P. R. T. Company (O), Eighth and Dauphin street s. James Springer (C), 810 Dauphin street. Cost, \$675. Market house, Second and Brown streets.

Charles Beck, Sr. (O), 609 Chestnut street. M. W. Porter & Co. (C), 136 North Eighth street. Cost, \$400. Manufactory, 52 North Sixth street.

P. R. T. Company (O), Eighth and Dauphin streets. Cost, \$750. Car barn, Eleventh and Colona streets.

William West (O), 712 Spruce street. A. Barsky (C), 421 Tasker street. Cost, \$1,100. Apartment house, 712 Spruce street.

Gray & Dorner (O), 1729 Columbia avenue. C. W. MacFarland (C), 1927 Montgomery avenue. Cost, 375. Store and dwelling.

M. K. Walker (O), 5345 Chestnut street. G. G. Sloan (C), 2021 Sansom street. Cost, \$460. Dwelling.

W. F. Taylor & Sons (O), Atlantic City, N. J. Cost, \$2,000. Dwelling and apartments, 5234-36 Chester avenue.

Hopkins & Milgram (O), 1529 South Seventh street. P. Savar (C), 718 Snyder avenue. Cost, \$900. Dwelling, 2306-20-24 South Eleventh street.

Louis Stecker (O), 420 Market street. Smith Hardican Company (C), 1606 Cherry street. Cost, \$4,000. Store, 402-04 Market street.

S. J. Hobson (O), 3723 North Fifteenth street. J. Schuster (C), 3535 Marvine street. Cost, \$600. Office, Germantown and Erie avenue.

Joseph Allo (O), 642 Carpenter street. Donalto & Buro (C), 809 North Eighth street. Cost, \$1,400. Residence, 642 Carpenter street.

C. Di Paola (O), Parker and Cinanson avenue. G. Vecchiolli (C), 1228 Gerrett street. Cost, \$650. Residence.

L. A. Thompson Scenic Railway Company (O), 320 Broadway, New York. Cost, \$1,500. Amusement Park, Ford road and Monument avenue.

E. M. Harris (O), 50 North Twenty-third street. Ed. Cunningham (C), 1010 Pennsylvania Building. Cost, \$2,000. Stable, 124 North Hutchinson street, 6391 Drexel Building.

M. P. Quinn (O), 6391 Drexel road. W. W. Young (C), Overbrook, Philadelphia. Cost, \$750. Dwelling.

Schadewald Mills (O), Third and Huntingdon street. J. K. Petty Company (C), 626 Stephen Girard Building. Cost, \$2,000. Boiler house.

Crompton Knowles (O), Worcester, Mass. Cost, \$400. Foundry, Seventeenth and Glenwood avenue.

William Myers (O), 3914 North Sixth street. F. G. Storck (C), 3519 North Thirteenth street. Cost, \$800. Stable.

E. M. Harris (O), 50 North Twenty-third street. Edw. Cunningham (C), 1010 Penn Square Building. Cost, \$2,000. Stable, 1244 North Hutchinson street.

Schwarty Wheel Company (O), Margaret and Newton avenue. Cost, \$400. Shed.

E. Berlinberg (O), 1514 North Seventh street. D. Wittenberg (C), Eighth and Poplar streets. Cost, \$1,160. Store and dwelling, 2127 West Dauphin street.

B. Marganstein (O), Fifth and Lombard

streets. Jos. Farbstein (C), 908 Walnut street. Cost, \$1,200. Store and dwelling, 423 South Fifth street.

Philadelphia Warehouse Company (O), 512 North Delaware avenue. Link Belt Company (C), Nicetown, Pa. Cost, \$2,000. Ash pocket.

Metal Window Manufacturing Company (O), 2007 Allegheny avenue. I. T. Shoemaker (C), 24 South Seventeenth street. Cost, \$1,500. Manufactory.

T. J. Ryan (O), Land Title Building. Cost, \$5,200. Club house, Penrose Ferry and Twenty-fifth street.

T. J. Ryan (O), Land Title Building. Cost, \$20,000. Roller coaster, Penrose Ferry and Twenty-fifth street.

S. Silverman (O), 718 Morris street. J. Woogman (C), 720 Morris street. Cost, \$440. Dwelling, 105 North Cumberland street.

## DIFFICULTIES IN CONNECTION WITH WARM AIR HEATING.

Dr. W. A. Evans, in his talks on "How to Keep Well," published in the "Chicago Tribune," mentions the following as objections that must be met in the operation of warm air furnace heating:

1. In many instances the foul air from the rooms is carried back to the furnace, heated and sent back into the rooms—recirculating, it is called.

2. The air at the inlets is too hot—from 100 degrees to 130 degrees, according to the atmospheric conditions.

3. It is too dry.

4. The gravity force is not strong enough to work in the teeth of a wind.

5. The heated air flows most readily in the vertical pipes and least readily in the horizontal pipes, therefore certain rooms are well heated and others poorly.

Some of these defects can be remedied. For instance, the reason for recirculating the air is to save heat. A more sanitary method would be to run the intake tubes within the outlet tubes, saving its heat but allowing its foulness to escape.

The humidity can be raised by placing pans on top of the furnace large enough to evaporate five to ten gallons of water a day. It is not feasible to keep the windows continuously open where heating is with hot air. For this reason periodic blowing out of the rooms is absolutely necessary.

## CONCRETING IN COLD WEATHER.

"Concreting in Cold Weather" is the title of a new booklet published by the Universal Portland Cement Company, of Chicago and Pittsburgh. The subject matter of this very seasonable book is the mixing, handling and depositing of concrete in freezing weather. The booklet is particularly valuable at this time by reason of the increased use of cement during the winter months and on account of the demand for rapid building construction.

Luck means rising at six o'clock in the morning, living on a dollar a day if you earn two, minding your own business and not meddling with other people's.—Ex.



## AGE AND ART IN ARCHITECTURE

Even Wren Had Created at Thirty Nothing Approximating His Work of More Mature Years.

"At what age does an architect produce his best work?"

Is it when he is young and half-trained, or when he is older and more experienced, or when his years so many that

"The soul's dark cottage, battered and decayed,

Lets in new light through the rents that time has made?"

Such an inquiry might be invidious if the object of it were still on earth, to be injured or advanced by it, as the case might be. And one of the first things that suggests itself in this connection is that the best of Wren's towers was one of his earliest. The campanile of St. Mary-le-Bow was begun in 1671, when the author was thirty-nine years of age, and was not finished till 1677, when he was forty-five. Consequently, it was an early experiment, built before most of the steeples or "lanterns," and perhaps invented even before the Great Fire of London cleared the ground for it in the autumn of 1666. A "crowned" tower of the type of St. Nicholas, Newcastle, seems to have stood there before it; but now that the existing work shows Wren at his best, few people would lament the loss of its predecessor, were it even as much finer than St. Nicholas' tower, as to excel the "crowns" of St. Giles, Edinburgh, and Aberdeen.

Wren's work before he was thirty, had he left nothing later to be remembered by, would have given little promise of the greatness he was at last to obtain. St. Mary-le-Bow, perhaps first showed what an architect he was, and reached a height of excellence to which he seldom quite soared again. St. Lawrence, Jewry, built in 1667, is of interest if it shows us the master, feeling his way by experiment to the incomparably finer lantern of Bow Church; but though it may have been useful as a means, it can hardly be thought successful as an end. There is no market in which a great architect's first attempts acquire after his death a tenfold value, as a great painter's first sketches do, or all these buildings might remain to this day. All these, except St. Lawrence, were designed when their author was between forty and fifty, when apparently, he was overburdened with tedious mechanical work, and perhaps not seldom scolded for not getting on faster, by ignoble noodles whom the Muse of History has willingly forgotten. England was England, then as now.

Wren, soon after the Great Fire, was ap-

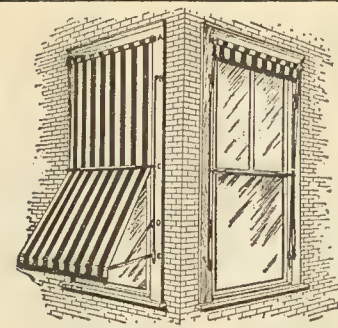
pointed Deputy Surveyor-General and principal architect for rebuilding the city; and those appointments, apparently, go to the credit of the King who, by his enemies' account,

"Never said a foolish thing,  
Nor ever did a wise one."

Now that nearly three centuries have passed, Charles II may at least take credit for having done a wise one then. He believed in Wren, and, in his way, supported him, giving him only too much to do—most of it obviously uncongenial to a man whose real power lay in artistic matters, and not in judicial ones. Charles, however, when he assisted Wren, did wisely for once in his life. He put the right man in the right place, and the London of to-day is the visible result of it.

Wren had always plenty of ideas in his head, good and bad. Perhaps in some of the less conspicuous of his churches, such as St. George, Botolphclaydon (1674), St. Mary, Aldermanbury, St. Mary-at-Hill (1672), St. Olave, Jewry (1673), All Hallows', Breadstreet, St. Mildred, Poultry (1677), and St. Michael, Queenhithe, much was left to the master masons, who had not then been absolutely prohibited to design some of their own details, as their successors in the nineteenth and twentieth centuries have been. The proportions are rarely bad (for Wren's eye for proportion seldom failed him), any more than his genius for permanent construction, and a mere man, appointed architect for rebuilding the City of London and the city churches, with the new St. Paul's to think of in his leisure time, may be pardoned if some of his less important work were handed over now and then to subordinates. At any rate, he can have had little time to spare, and if he built a cathedral and a dozen towers that are an everlasting treasure, he did pretty well with his ninety years of life and labor.

With St. Peter's, Cornhill, there came to the master one of those quieter intervals which once in a while come to most architects. Even Apollo does not always bend the bow, and even Wren could not be always inventing steeples as good as the one he had raised in Cheapside, nor planning naves as admirable as that which he had erected at the east end of Walbrook. Perhaps St. Paul's required all his attention; perhaps he took what gardeners call a "resting season," and did the less that he might do the more



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when the right time came. At any rate, amongst his parish churches, he did no more notable works till 1683, when, with St. James', Garlickhill, he proceeded with the interesting series of what he appears to have called his "lanterns." These, which, with no steel joists, and almost no iron tie-bars, have weathered the breezes, and sometimes the hurricanes, of a good deal more than two centuries, have outlasted the Stuarts and the Revolution which dismissed them, are, altogether, nine or ten in number. The singular thing about them is that the best of them, St. Mary-le-Bow, was the first to be built. Probably Wren saw that a little extra cost would not daunt the citizens just then, who wanted, in spite of the fire, to keep Cheapside up to its standard of excellence, and that if

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he was ever to build the finest tower he had ever imagined, it was "now or never."

It is a Norfolk proverb that every man must eat a peck of dirt before he dies. And every architect with any practice must, on the same principle, cover an acre or many acres, with architectural abortions before he goes hence and is unseen no more. In 1683

Wren's age was fifty-one. When he died he was over ninety, so that at fifty his working life was less than half over of what he did in the rest of it, and how he finished it, there may be something to say hereafter. For the present, we leave him at fifty-one, in the year before the "glorious Revolution" of 1688.—London Builders' News.

\*\*Mr. Wilson Eyre and Mr. John Gilbert McIlvaine announce that they have formed a co-partnership for the practice of architecture at 1003 Spruce street, Philadelphia, and 41 East Thirtieth street, New York City, under the firm name of Wilson Eyre & McIlvaine.

\*\*The Federal Furnace League, Philadelphia, has issued its long-awaited Federal System of Heating and Ventilation, copies of which may be had by addressing the League, 1530 Penn Square, South, Philadelphia.

\*\*George Huey, of Huey Brothers, Boston, is leaving that city to move to Toronto, Ont., to become president of the Canadian Domestic Engineering Company, of Toronto.

Boost your home town! And remember there's no better way to do this than to carry space in the home trade paper.

### GOOD MATERIAL A NECESSITY.

It is needless to say that good material should be used from which to make the concrete. Our greatest trouble in this vicinity is with the sand, because of the temptation to use inferior bank sand, produced from the many excavations which are going on here all the time. Of course, there is nothing better than a good coarse comparatively clean bank sand, but good concrete cannot be made with some of the fine, dirty stuff which is sometimes used.

About two years ago Clarence Regan and Hugh Emerson, students at Case School of Applied Science, made, for their thesis work, a very complete study of the various materials entering into concrete work in this vicinity. One of the most interesting features of this investigation was the test made to show the effect of varying the proportion of cement. The usual specification for reinforced concrete work is, one part cement, two parts sand and four parts stone. Taking this as a unit, these tests showed that concrete mixed in the proportion of one part cement, one part sand and two parts stone was practically twice as strong as the unit, or to be exact 1.9-100 times as strong, while concrete mixed in the proportion of one, three and five showed only 70-100 as much strength and in a one, four, seven mixture only 6-10 as much as the unit. From this it may be seen how important it is to use enough cement. In Europe, where they have used concrete longer than we have here, it is quite customary to use much richer mixtures than we are accustomed to in this country.—Read by S. W. Emerson before Ohio Engineering Society.

### INSUFFICIENT ATTENTION TO DETAILS.

One serious mistake which is being made at the present time is the erection of important structures with no other plans than general drawings furnished by the engineer, which give only the main sections and show in a general way the position of the rods, leaving all the important details such as the length of the splices, the position of the bends, length and spacing of the sheer rods, etc., to be decided by some estimator in the contractor's office, or foreman in the field, who has no knowledge of either the nature or amount of stress to be resisted. I can see no good reason why the contractor for reinforced concrete work should not be required to furnish complete shop or working drawings showing all the details of his work, in the same way that the structural steel contractor is required to do. When such drawings are prepared and checked by the engineer in charge of the work, it results in better construction and the saving to the contractor in the ordering of material and erection of the work in most cases more than pays for the cost of preparing the plans.—Paper by S. W. Emerson, before the Ohio Engineering Society.

The man that doesn't advertise nowadays is a barnacle. And he ends up like a barnacle by being scraped off.



## Architectural Notes.

Through Mr. D. Knickerbacker Boyd, a member of the Board of Directors of the American Federation of Arts, we are enabled to publish herewith a preliminary announcement of the forthcoming convention of the federation to be held in Washington.

Delegates will be present from the hundreds of chapters throughout the country, but all those also who are interested in this vital subject are invited to attend the convention. Any change from the following program, if made, will be announced later:

### May 9th, Morning Session.

Opening address—Robert W. deForest.

The President, Mr. Charles L. Hutchinson, will announce the Special Committees to whom reports will be referred.

Address of the President, Charles L. Hutchinson.

Report of the Secretary, F. D. Millet.

Report of the Treasurer, Marvin F. Scaife.

Reports of the Committees of the Federation:

Committee on Exhibitions, Francis C. Jones, Chairman.

Committee on Craftsmanship, C. Howard Walker, Chairman.

Committee on Museums, Edward Robinson, Chairman.

Committee on Architecture, Ralph Adams Cram, Chairman.

Committee on Art in the Public Schools, Henry Turner Bailey, Chairman.

### Afternoon Session.

Reports of the Committees continued:

Committee on Painting, John W. Alexander, Chairman.

Committee on Landscape, F. L. Olmsted, Chairman.

Committee on Sculpture, Herbert Adams, Chairman.

Committee on Government Art, Glenn Brown, Chairman.

Committee on Civic Theatres, Percy Mackaye, Chairman.

Committee on the Teaching of the History of Art, T. Lindsey Blayney, Chairman.

Committee on Industrial Art, Lee McClung, Chairman.

### Evening.

Reception at the home of Mr. and Mrs. A. J. Parsons.

### May 10th, Morning Session.

#### EDUCATIONAL WORK.

"Civic Institutions for the People of Our Large Cities," Franklin W. Hooper, Director, Brooklyn Institute Arts and Sciences.

"The Establishment of Art Museums," Edward Drummond Libbey, President, Toledo Art Museum.

"The Educational Work of the American Federation of Arts," pictorial report of the Federation's exhibitions and lectures, Leila Mechlin, Assistant Secretary, American Federation of Arts.

"Art for Use: A Scheme for High School Training," Dr. James Parton Haney, Director, Art in the High Schools, New York.

Discussion—Ten-minute speeches by members of the Federation.

### Afternoon Session.

#### CIVIC ART.

"Town Planning," to be announced.

"Civic Art in the Country," Richard B. Watrous, Secretary, American Civic Association.

"The Housing Problem," Edward T. Hartman, Secretary, Massachusetts Civic League.

Discussion—Ten-minute speeches by members of the Federation.

A special conference on Art Museum methods and improved public service will be held on the afternoon of May 10th.

### Evening.

Lecture on "Historical Costumes," by F. D. Millet.

### May 11th, Morning Session.

Reports, with resolutions on the various suggestions made by committees and new business. Address on the Freer Collection. View of selected portion of the Freer Collection, comprising paintings by Whistler, Thayer, Dewing, Tryon and the great masters of China and Japan, Oriental potteries, bronzes and other art objects, representative of the collection as a whole, on exhibition in the New National Museum.

### Afternoon.

An Excursion to Mount Vernon.

\* \* \*

Mr. F. R. Walker spoke before the Cleveland Architectural Club, at a recent meeting, on "The Study of Architectural Problems." Mr. Walker told how the designer studies his subject on paper to relieve the memory of the burden of details. He told how certain decisions must be reached mentally first, before paper is touched, namely, whether the building is to be "open" or "closed," that is, free of access or having only a small entrance and its life contained within; and whether the aspect of the building is to be "gay" or "sad."

These points having been decided, the designer begins to study on tracing paper, making many sketches over one another, working at first at a very small scale and in mass only, ignoring details; having in mind the "dominant" or most important thing in the scheme and making everything else subservient to it. He works in plan, for as the Frenchman says, "The plan's the thing." The elevation is secondary.

\* \* \*

"To the architect," said Mr. Walker, "a well-made plan will immediately bring up a mental picture of the facade; the latter follows logically from the former. The problem is not to take a beautiful street front and put a plan behind it, but to arrange a plan to suit the purpose of the building and then an exterior to house it in. When it comes to the exterior the scale of the design must be looked to. A small building must not be proportioned in its parts the same as a large one and vice versa. The small sketches that the designer makes are gradually increased in size and details worked in until finally completeness is attained. All this takes time and patience. If the problem becomes too deep and the thoughts refuse to come, it may be well to rest the brain on another subject for a time, and then return to solve the first."

\* \* \*

The awarding of the first prize in the recent architectural competition for the design of the proposed Perry Memorial to Messrs. J. H. Freeland and A. D. Seymour, Jr., of

New York City, naturally arouses some interest in the personality of these successful architects and something of their former achievement.

Mr. Freeland is a graduate of the Massachusetts Institute of Technology and of the Ecole des Beaux-Arts in Paris, having received the diploma from the French government. He is also at present the president of the American Group of the Societe des Architectes Diplomes par le Gouvernement.

\* \* \*

Mr. Freeland has had a remarkable success in formulating designs for important private and public buildings throughout the country. In purely architectural work examples of his designs may be seen in the New York Importers and Traders National Bank, the New Harlem Hospital for the city of New York, the Metropolitan Hospital for the city of New York and the National Home for Disabled Volunteer Soldiers at Johnson City, Tenn., a scheme which embraces thirty-six buildings and for which the United States government appropriated \$2,000,000. The St. Louis Club and Carnegie Library in Johnson City are also examples of his work.

\* \* \*

Mr. Freeland has won competitive prizes all over the country from the New York Public Library to the University of California and honorable mention in competition from the Department of Commerce and Labor Building in Washington City to the competition for the Portland Auditorium, Portland, Ore., where he secured the first prize and execution.

\* \* \*

Mr. A. D. Seymour, Jr., is a graduate of Columbia University, has studied at the American Academy in Rome and at the Ecole des Beaux-Arts of Paris. He has traveled extensively in Europe, making numerous measured drawings of existing historical work and is a member of the Beaux-Arts Society.

### CHICAGO'S NEW HOSPITAL.

Plans have been drawn by the Cook County architects for a new Chicago hospital which will cost \$3,000,000. These plans provide for a modern fireproof building, designed especially for the care of surgical patients, of which it will accommodate 1,300, but the complete scheme, of which this is but a part, contemplates the erection of a similar building immediately south for the accommodation of 1,500 medical patients.

The principal feature of the entire hospital will be the ninth or operation room floor. Here will be seven operating rooms and two amphitheatres, the latter extending above the roof. Each of the seven operating rooms will be 17 feet wide, 22 feet long and 18 feet high, complete within itself, with etherizing room attached. The north wall of each operating room will be almost entirely of glass, which will afford excellent light. Other features are the four roof gardens, and the large open-air porches extending along the south side of the main building and between each of the twenty-eight ward units.—"Popular Mechanics."



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### THE DEFENSE OF BAD ART ON GROUNDS NOT UNRELATED TO SENTIMENT.

It is a trifle disquieting, in this age of municipal art commissions, city planning conferences and similar manifestations of an awakened aesthetic sense, to find the disfiguring and ludicrous examples of the wretched taste of the early and mid-Victorian era defended upon grounds more or less closely related to a somewhat far-fetched sentimentalism. Discussing the suggested removal of certain monuments in Westminster Abbey, "whose artistic shortcomings are generally acknowledged," the "Architects' and Builders' Journal" observes:

"The position is summed up neatly in Mr. A. C. Benson's phrase: 'I do not for a moment say they were right to put them up, but I am quite certain that we should be wrong to take them away.' The reasons for this conclusion are twofold. First, if a monument erected in good faith, as a memorial is to be liable to removal or demolition at any time when a future generation finds fault with its taste, there is no security for the permanence of any monument whatever. We do not know what a future generation may think of some monument which satisfies our taste to-day; and if we pull down the monuments erected by our forefathers, our descendants may logically conclude that they have an equal right to pull down ours. On such a principle there is no security for any monument whatever. The second reason, which is perhaps an even stronger one, is that the Westminster Abbey monuments form an exceedingly interesting chapter of history. They not only recall the memory of a good many actors in the past life of the nation, but they form an object lesson in the history of our national taste, or (as some may say) want of taste. Human history is even more interesting than the history of Gothic architecture, and the Abbey monuments form a chapter in it which we cannot afford to efface."

Just how a publication devoted ostensibly to the advancement of the higher canons of taste can accept conclusions so patently at variance with common sense "The Guide" is obliged to confess itself at some loss to imagine. If "a monument erected to the memory of one honored in his own day" may be protected against demolition, removal or replacement on the theory that it is "a sacred thing" regardless of all question as to its fitness, propriety and artistic or absence of artistic stature, then all hope of better things may well be considered at end, and the "God of things as they are" exalted to the highest place in the temple. Follow this argument to its logical conclusion and all progress must cease. What has been must be and what is must remain.

All the ridiculous monuments discoverable anywhere, examples of the crudities of a public taste raw and unrefined, must be preserved to future generations untouched not because of any artistic or aesthetic value peculiar to them, but because they are "chapters in

human history" and interesting as "object" lessons "in the history of our national taste or (as some may say) want of taste." Does not this twaddle beget in you, dear reader, a sense of great weariness? As if "bad art,"—whether monuments or something else,—has the slightest claim to stand in the way of better things upon either sentimental or any other grounds!

Neither England nor the United States is so poorly provided with "object lessons" in the undesirable in art as to feel seriously the removal of a few monuments. If Mr. Benson can see anything "sacred" in travesties of the kind, we cannot—whether as human documents, object lessons or mere effigies.

### "PHASES OF ARCHITECTURAL EDUCATION" AND SPECIAL- IZATION.

Under the heading, "Phases of Architectural Education," Mr. Lloyd Warren discourses entertainingly, in the pages of "The American Architect," on the tendency towards specialization observable in present-day practice. Finding that students are more intent upon excelling in some one branch of the work of the architect than upon acquiring the all 'round training essential to fit them to undertake commissions embodying this and other branches,—or, in other words, that there is a disposition to acquire the specialized skill that may be sold for a weekly stipend rather than the complete equipment necessary to the independent practitioner. Mr. Warren is moved to express the fear that architecture, following contemporary tendencies in other fields, may degenerate into a matter of syndicate management. But let Mr. Warren speak for himself:

"The realization that we had unavoidably passed into this educational phase of intensive specialization came to me only very recently. It had been my fond notion that all draughtsmen had the ambition to become all round architects, and ten years ago I had urged Columbia University to open a night school with that end in view. Being unable to pass this measure through at that time, it was with great interest that I saw Columbia last year, at the instigation of our Commission on Education, establish extension courses, which, taken in conjunction with the problems in design of the Society of Beaux-Arts Architects, would give a complete course in architecture. Imagine my surprise then when I found that, though the extension courses were well filled, only two of this society's students were enrolled in them. All these boys were studying to specialize, each one, in some one branch of architectural practice!

"And after all is not this quite right? Do we not need in our offices men highly trained in each of the widely differentiated branches? The sanitary and ventilating experts each up to date with the ever-improving apparatus; the writer of specifications, keenly alive to every new device for good and economical construction; the landscape gardener with a



minute knowledge of plants and trees to protect the client from the florists' extravagances.

"All this we are producing, but what is horrible is that we are rapidly producing too an artisan designer who, in knowledge of plan and of composition excels the architect, his employer! Just stop a moment to realize what this means; the architect, that is, the man of culture, of affairs and the gentleman, is ceasing to be the artistic inspiration of the work signed by his name, and soon the architect's office will be the mill, run by a business man, where art occupies a nameless and salaried position. The result of such a condition may have the quality of opportunism, but surely, where the artist is not in authority, his work can never rise to genius."

The remedy for this state of affairs, Mr. Warren suggests, is to place at the command of the genius whenever this *rara avis* presents himself the opportunity to develop beyond specialized lines.

"We cannot manufacture geniuses," says Mr. Warren, "but we can give them opportunity to develop. We cannot develop the genius simply by the T square and triangle; his very aesthetic instinct must be aroused and given play. Rossellino and Desiderio did not produce the marvels in Pienza and Florence, because they had technique in architectural drawing, but because they were artists, primarily sculptors, and who knows whether they were either gentlemen or men of affairs?"

"And so I speak to you earnestly to-day, when much interest in educational matters is being shown, I speak to you earnestly, to urge that everywhere, where the higher education of the architect is aimed, that it be not restricted to that of the draughtsman, but that he be trained in the practice and observation of the beautiful through every medium.

"The technique of architectural drawing is all very well, the principles of planning and the composition of facade are essential, but what is of overwhelming importance is to offer to the genius who may arise the possibilities of developing himself by practice in the three allied arts. Our universities must admit plastic art in their curricula; they must realize that the artistic side of our profession can only be developed in an art school, or America to the end of time will unfeelingly and without understanding reproduce Palladian colonnades and eighteenth century ornament ad nauseam."

### REAL ESTATE TRANSFERS.

Summary for week ending March 16th, 1912:

Number of transfers.....	564
Amount of transfers.....	\$847,128.55
Cash consideration .....	106,828.55
Mortgage consideration .....	740,300.00
Ground rent consideration.....	29,102.46
Which on a six per cent. basis amounts to .....	485,041.00

### ANOTHER CHAPTER ON BAD ART AS EXEMPLIFIED IN PUBLIC MONUMENTS.

"The House Beautiful" indulges in a comment in the current number on certain of those monuments which, for sentimental reasons, Mr. Benson would have remain undisturbed.

"Many American towns have totally ignored the great men they produced; the spot or the building hallowed by some history-making event has gone unmarked; other towns in their efforts at commemoration have committed a sin worse than the sin of omission; they have caricatured their great ones," says the "House Beautiful." "Erected by Public Subscription" is usually the legend on these bronze or marble effigies; to it might truthfully be appended, 'Directed by Public Ignorance.'

"Apropos of such horrors, no more biting bit of irony was ever perpetrated than the Lincoln statue in Union Square, New York. It was done by an American sculptor (he died about 1886) whose life covered precisely the period when art (echoing the English Victorian) was at her worst in this country. Somehow, he managed to get considerable reputation at his profession, chiefly for having made 'the first statue ever cast in bronze in the United States.' His Lincoln is absolutely unmonumental, inartistic, commonplace and so badly 'drawn' that it has no equilibrium—our martyred president is actually reeling backwards! But the irony is the inscription on the front of the base—only two words, but mournful in their bald truthfulness—WITH MALICE. Of course if you walk around the three other sides of the pedestal you find the immortal sentence, 'With malice to none, with charity to all' continued—in jerks of two words for each side. But glancing from the sorry looking effigy to the inscription beneath it you certainly believe that it was erected by Lincoln's worst enemies, WITH MALICE, as it unblushingly proclaims. This statue, however, is an only one—no replicas of it are scattered broadcast through the country; and as for New York, it has so many statues even worse, notably the gentleman with uplifted forefinger on Astor Place, that this particular piece of malice is not over-conspicuous; besides, one can always be encouraged by going to look at the splendid Nathan Hale in City Hall Park or the fine Farragut in Madison Square, to mention only two of our better manifestations of patriotism. But the worst mischief is done where small towns, having raised enough money for a monument—an only monument—order out of stock from some iniquitous trade catalog a miserable affair of thin sheet bronze or poor marble.

"What a wretched perennial influence for bad it breathes out! The dumpy figure of Columbus gazing stupidly at a cannon ball supposed to be a globe; the Federal soldier on top of a small shaft twirling a flag; the simpering buxom Miss Liberty with her diadem

of thirteen stars! Who has not seen them and regretted the waste of good money and the miscarriage of good intentions. When will the public learn that a monument should be a work of art; that a work of art is created by an artist under the spell of a great enthusiasm for his subject. The Columbuses and the Confederate or Federal soldiers turned out of a factory were never so created! They are poor, uninspiring, undignified and, as agents in bringing about a better appreciation of the really beautiful and larger knowledge of the principles of good art, they fail completely. From no other standpoint than the practical, why should a shrewd American community give up its money except for 'value received.' A fine monument, ordered from a sculptor whose professional reputation rests on his making a good thing of it naturally costs more than a thin sheet-bronze ready made statue ordered from a factory. Until a town can afford the right sort of public monument let it be content with marking its local shrines by a simple lettered tablet, and not attempt statuary."

May we commend this to the consideration of Mr. Benson and to those who concur in the views expressed by this gentleman?

### TEXAS-SENATOR "JOE" BAILEY AND THE AMERICAN ACADEMY IN ROME.

Senator "Joe" Bailey hails from Texas, a section of the country much stronger in a certain percussive, spread-eagle brand of noisy patriotism than in good taste, good sense or good manners. Consequently when Senator Root rose in his place to support governmental recognition of the American Academy in Rome, Senator "Joe" was heard to emit a quaintly characteristic snort of disapproval. Why should the youth of America go abroad to seek education whether in art, architecture or anything else? The "peepul" of these great United States needed no such assistance. Moreover, "until every hill top in these United States was crowned by a schoolhouse" he, the mighty, sovereign and puissant representative of the Lone Star State would never consent to public recognition of a school in Rome be its purposes what they might. Senator Root's motion carried of course. The Senate has grown so accustomed to the Bailey habit of orating that it pays but trivial heed to these spectacular, if spasmodic, performances. One is reminded of the old story of the Texan, who in defending that section, remarked that all Texas needed to make her a great State was "irrigation and a little good society." "Humph!" grunted one of his listeners. "That's all h—l needs!"

### WRITING ON BLUEPRINTS.

To write notes or dimensions on blue-prints use a pen dipped in saleratus water, or rub a cloth saturated with the solution on the print and write with a pencil on the resulting white spot.—Ex.



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## New Ideas, Materials and Devices

Innovations in Material and Equipment That Merit the Interest of Architect and Building Owner—A Running Resume of Novelties More or Less Recent.

### Mosaic Tile:

The adaptability of tile to a wide range of architectural uses is most entertainingly presented in a catalogue just issued by the Mosaic Tile Company of New York City. This catalogue shows how a room may be constructed entirely of tile with the most pleasing results, aesthetically, provided the right kind of tile is used and used the right way. This book will be found of unusual value to the busy, working architect, inasmuch as each type of tile is lettered and marginal notes included explaining its use. Architects who desire a copy of this very attractive catalogue may obtain same free on request.

### MacArthur Pedestal Piles:

The MacArthur Concrete Pile and Foundation Company, 11 Pine street, New York City, is bent on acquainting architects with the advantages of this method of foundation work and is sending out an illustrated pamphlet setting forth important buildings in which this system is in use with text descriptive of its general adaptability under given conditions. Copies of this very interesting pamphlet may be had free on request.

### Standard Sanitary Fixtures:

The Standard Sanitary Manufacturing Company, of Pittsburgh, issues in catalogue "P," a volume that should have a place in the office of every practicing architect in the country. Some idea of the scope and range of the company's line may be gleaned from the fact that 674 pages are required to show and describe without unnecessary detail the various bath room, lavatory and other sanitary accessories made by this house. Copies of this volume may be had by architects.

itary accessories made by this house. Copies of this volume may be had by architects.

### Country House Lighting:

How to light the country house, situated beyond reach of lighting companies, sometimes presents an interesting problem. The Gilbert & Barker Manufacturing Company, New York, Philadelphia, Boston and Springfield, manufactures the Springfield Gas Machine, one of the most satisfactory and dependable of independent lighting systems. Full information concerning this system is contained in a pamphlet issued by the company, which may be had on request.

### "Pyramid" Preservative Paint:

The Pyramid Paint Company, 131 North Twenty-second street, Philadelphia, Pa., manufactures a line of preservative paints claimed by experts in the trade to be superior to anything else of the kind introduced to the market. "Kant-Korod" is a rust-inhibitive metal paint which may be had in six different colors varying from steel color to maroon and black and which is said to prolong the life of the metal to which it is applied and to resist the action both of acids and atmospheric conditions. The Concrete Paints, made by this company, come in six attractive colors, are waterproof, unaffected by time, will, it claimed, effectually prevent surface cracking and disintegration and are having a tremendous sale. The company will be pleased to supply color charts and descriptive booklets concerning the use of these products to architects, engineers and others interested.

## Trade News and Gossip

Cullings from the Week's News, with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

\*\*The Victor Cleaner Company, which controls Broomel's system of vacuum cleaning, whose main offices are at York, Pa., has opened New York offices with the Vapor Heating Company, 1123 Broadway. The company has installed a stationary vacuum cleaning plant at this address and is prepared to give a practical demonstration of the capabilities of the machine. The office is in charge of Charles E. Scott.

\*\*The Columbus Memorial fountain, of which Messrs. D. H. Burnham & Co. are the architects and Lorado Taft the sculptor, now being erected on Union Station plaza, Wash-

ington, D. C., promises to be an imposing feature of this gateway to the Capital. The memorial consists of a semi-circular fountain 70x60 feet adorned with a colossal statue of Columbus and other appropriate sculpture.

\*\*The month of January gave the year 1912 a bad start in the matter of fire loss, the total contribution to the ash-heap in the United States and Canada amounting to \$35,653,450, compared with \$21,922,450 for January a year ago and \$15,175,400 for January, 1910. The Equitable fire in New York City is set down for \$3,000,000 in the exhibit. There was another heavy fire loss in New York





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City, that of the terminal warehouses, involving a destruction of \$1,100,000. There were thirty-five fires during the month in which there was a loss of \$200,000 or over. The abnormally cold weather made the liability to fires greater than usual, on account of the over-taxing of heating arrangements and the difficulty of using extinguishing apparatus to advantage.

\*\*The twenty-fourth annual convention of the National Association of Master Steam and Hot Water Fitters will be held at Atlantic City, N. J., June 10-13, 1912. Headquarters will be at the St. Charles Hotel.

\*\*The New York Chapter is compiling a list of consulting, heating and ventilating engineers throughout the country and would be glad to receive from any source the names and addresses of such engineers. These should be sent to the secretary of the Chapter, Joseph Graham, 154 Nassau street, New York.

\*\*It seems to be fairly well established that the macadam road will not live under automobile traffic unless its surface is treated to withstand the suction. Various kinds of oil and tar treatments are used with varying success. Some districts are putting down brick pavements on top of the macadam. The experiment is now being tried in New

York State, and it seems to be successful, of putting a coat of asphalt directly on top of an old and well packed macadam road.

\*\*Permanent organization of the new Massachusetts Chapter of the American Society of Heating and Ventilating Engineers was effected at a meeting held in Boston, February 8, at the office of Frank Irving Cooper, of Cooper & Bailey. The meeting was presided over by H. W. Whitten, temporary president, and the following officers were then elected for the ensuing year: President, William G. Snow; vice-president, Frank Irving Cooper; secretary, Herbert W. Whitten; treasurer, W. T. Smallman; Board of Managers, Joseph A. Moore, D. S. Boyden and A. B. Franklin. The Chapter has decided to hold regular monthly meetings from October to May, inclusive.

\*\*The Niagara Metal Weather Strip Company, Niagara Falls, N. Y., has been organized with a capital of \$20,000. Incorporators: Frederick S. Franklin, C. H. Franklin and Freeman H. Palmer.

\*\*The program for the remaining meetings of the New York Chapter, before the summer recess, have been announced. At the March meeting two topics of interest will be presented: "Ventilation of Public Schools with Especial Reference to New York Practice."

Mr. Frank G. McCann, chief engineer of the New York City Board of Education, will present some facts to the members in regard to the New York schools. The second topic is "The Time Element in Regard to the Starting Up of House Heating Boilers." At the April meeting the subject of air washers and humidity will be discussed. For may the topic is "Artificial Cooling of Buildings, Steam Traps and Vacuum Systems." It is planned to hold the March and May meetings in some restaurant or hotel where dinner will be served, to be followed by a professional session. The April meeting will be held in the Engineering Societies Building.

\*\*The Ohio Blower Company, Cleveland, O., manufacturers of the Swartwout rotary ball-bearing ventilator, has secured a site at Ivanhoe, East Cleveland, where it will shortly build a new two-story plant. The main building will be 60x140 feet, with a wing 70x70 feet and a two-story office building 40x50 feet.

\*\*Mr. L. A. H. Koeth, of Wilmington, Del., and Mr. Andrew Freidhof, of Cincinnati, O., architects, have formed a co-partnership for the practice of their profession. Their offices will be in the Masonic Temple, Wilmington, Del. They desire to receive manufacturers' catalogues and samples.



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TREASURY DEPARTMENT, OFFICE OF the Supervising Architect, Washington, D. C., March 9, 1912.—Sealed proposals will be received at this office until 3 o'clock P. M. on the 20th day of April, 1912, and then opened for the construction, complete (including plumbing, gas piping, heating apparatus, electric conduits, wiring, and interior lighting fixtures), of the post office, courthouse, and customhouse at Miami, Fla. The building is of three stories, with basement and unfinished attic, and has a ground area of approximately 7,200 square feet. Fireproof construction throughout, stone facing, tile and copper roof. Drawings and specifications may be obtained from the custodian of site at Miami, Fla., or at this office, at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect.

TREASURY DEPARTMENT, OFFICE OF the Supervising Architect, Washington, D. C., March 9, 1912.—Sealed proposals will be received at this office until 3 o'clock P. M. on the 19th day of April, 1912, and then opened, for the construction (including plumbing, gas piping, heating apparatus, electric conduits and wiring, and interior lighting fixtures) for the United States post office at Abbeville, S. C., in accordance with drawings and specifications, copies of which may be obtained from the custodian of site at Abbeville, S. C., or at this office, at the discretion of the Supervising Architect. The building is two stories in height; of approximately 3,850 square feet ground area; bricked faced with stone trim; tin roof, and non-fireproof construction with the exception of the first floor. JAMES KNOX TAYLOR, Supervising Architect.

TREASURY DEPARTMENT, OFFICE OF the Supervising Architect, Washington, D. C., March 9, 1912.—Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., up to 3 o'clock P. M. on Thursday, March 21, 1912, and then opened, for all labor and materials required for the complete construction of a pier for the Philadelphia immigration station at Gloucester City, N. J. Drawings, specifications and statement of conditions governing intending bidders may be obtained upon application to the Commissioner-General of Immigration, Department of Commerce and Labor, Washington, D. C. JAMES KNOX TAYLOR, Supervising Architect.

TREASURY DEPARTMENT, OFFICE OF the Supervising Architect, Washington, D. C., March 14, 1912.—Sealed proposals will be received at this office until 3 o'clock P. M. on the 25th day of April, 1912, and then opened, for the construction, complete (including plumbing, gas piping, heating apparatus, electric conduits and wiring, and interior lighting fixtures) of the United States

post office at Laurens, S. C. The building is to have a ground area of approximately 4,500 square feet; two stories and basement, faced with stone and brick and the first floor of fireproof construction. Drawings and specifications may be obtained from the custodian of site at Laurens, S. C., or at this office, at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect.

TREASURY DEPARTMENT, OFFICE OF the Supervising Architect, Washington, D. C., March 9, 1912.—Sealed proposals will be received in this office until 3 o'clock P. M. on the 24th day of April, 1912, and then opened, for the construction, complete (including plumbing, gas piping, heating apparatus, electric conduits and wiring, and lighting fixtures), of the United States post office at Corinth, Miss. The building is two stories and basement, with a ground area of approximately 4,900 square feet. First floor is fireproof; stone and brick facing; tin roof. Drawings and specifications may be obtained from the custodian of site at Corinth, Miss., or at this office, at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect.

TREASURY DEPARTMENT, OFFICE OF the Supervising Architect, Washington, D. C., March 15, 1912.—Sealed proposals will be received in this office until 3 o'clock P. M., on the 27th day of April, 1912, and then opened, for the construction (including plumbing, gas piping, heating apparatus, electric conduits and wiring, and interior lighting fixtures) of the United States post office at Gaffney, S. C. The building is one story and basement, and has a ground area of approximately 4,200 square feet; non-fireproof construction throughout; brick and terra cotta facing, and tin roof. Drawings and specifications may be obtained from the custodian of site at Gaffney, S. C., or at this office, at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect.

TREASURY DEPARTMENT, OFFICE OF the Supervising Architect, Washington, D. C., March 15, 1912.—Sealed proposals will be received in this office until 3 o'clock P. M. on the 26th day of April, 1912, and then opened, for the construction complete (including plumbing, gas piping, heating apparatus, electric conduits and wiring, and interior lighting fixtures) of the United States post office at Johnstown, Pa. The building is one story and basement, stone faced, of fireproof construction (except roof), and has a ground area of approximately 8,300 square feet. Drawing and specifications may be obtained from the custodian of site at Johnstown, Pa., or at this office, at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect.

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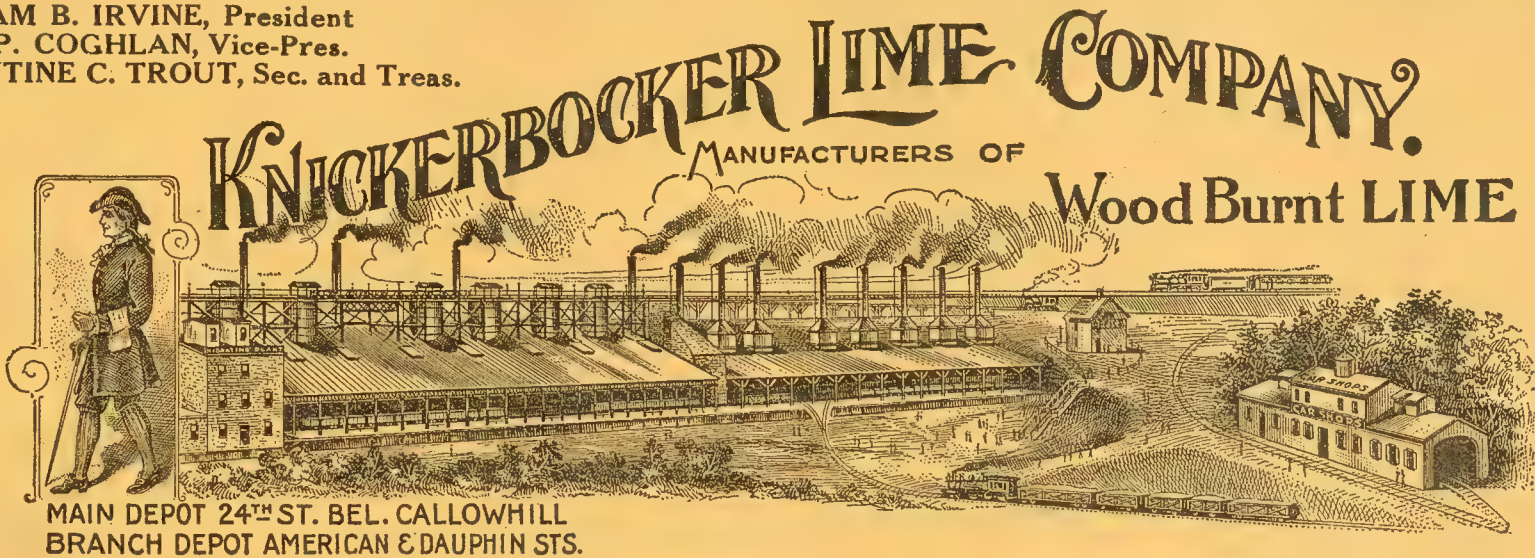
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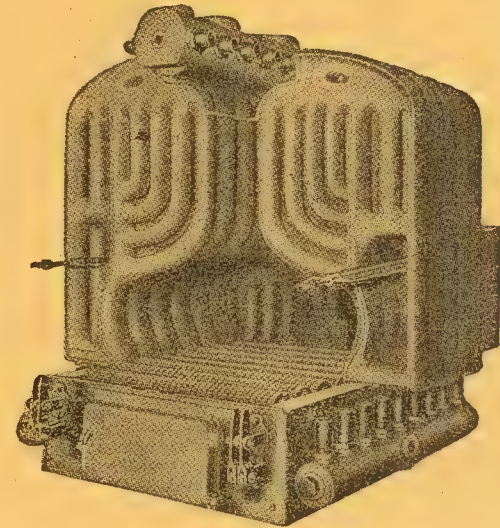
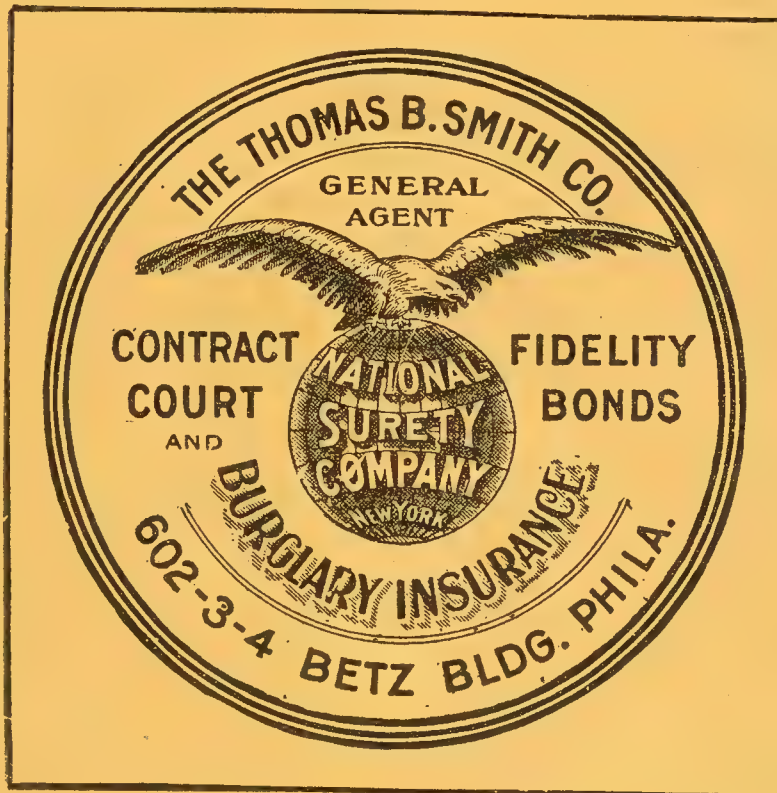
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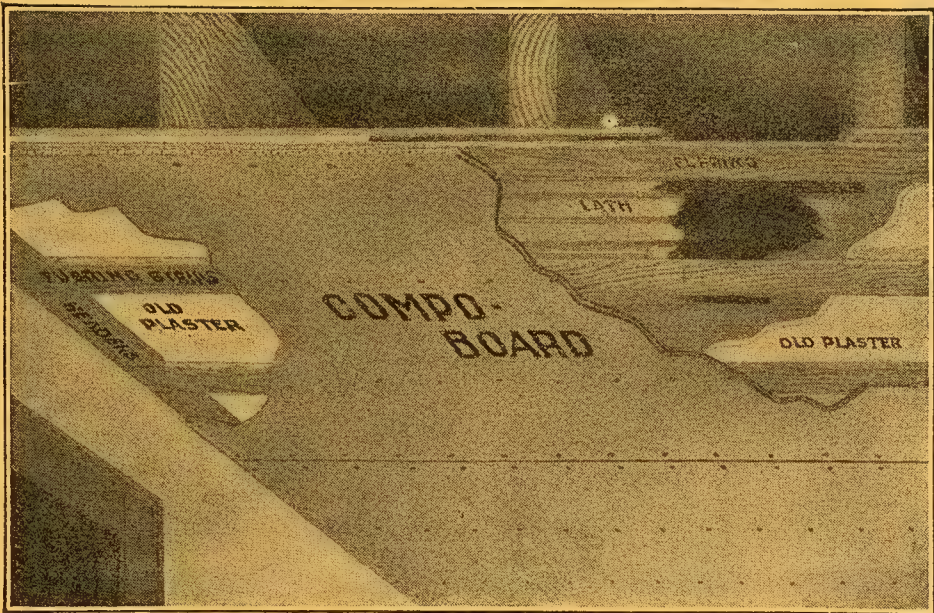


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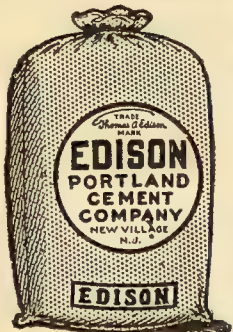
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Vol. XXVII., No. 13.

PHILADELPHIA, WEDNESDAY, MARCH 27, 1912.

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## Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Store Building**, Cramford, N. J. Architects, Oakely & Sons, Elizabeth, N. J. Owner, William M. Sperry, Cramford, N. J. Brick, three stories, 286x72 feet, electric light, steam heating, slag roof. Architects have received bids.

**Residence**, Chambersburg, Pa. Architect, F. A. Hayes, 1524 Chestnut street. Owner, J. A. Smith, Chambersburg, Pa. Frame, two and one-half stories, 25x35 feet, shingle roof, electric lighting, steam heating. Architect has received bids.

**Church**, Broad and Rockland streets. Architect, H. L. Reinhold, Tenth and Sansom streets. Owners, Logan Baptist Church, care of Rev. Spencer. Stone, one story, 50x75 feet, steam heat, electric light, slag roof. Architect has received bids.

**Residences (6)**, Coatesville, Pa. Architect, H. L. Reinhold, Tenth and Sansom streets. Owner, W. J. Elliott, Coatesville, Pa. Frame, two and one-half stories, 16x45 feet, steam heating, slag roof, shingle roof. Owner taking sub-bids.

**Church**, Fox Chase, Phila. Architects, Henon & Boyle, 14 South Broad street. Owners, St. Cecilia's R. C. Church, Fox Chase, Phila. Stone, one story, 60x130 feet, electric light, steam heating, slag roof. Architects have received bids.

**Car Pits**, Forty-ninth and Woodland avenue. Architect, H. B. Nichols, chief engineer, 8th and Dauphin streets. Owners, Philadelphia Rapid Transit Company, Eighth and Dauphin streets. Brick and concrete. Owners have received bids.

**Passenger Station (alt. and add.)**, Frankford, Phila. Architect, Wm. Hunter, Twelfth and Market streets. Owners, Philadelphia and Reading Railway Company, Twelfth and Market streets. Brick, one story, 52x21 feet, electric lighting, steam heat, slag roof. Owners taking bids, due April 1: Charles McCaul Company, Tenth and Sansom streets; E. L. Seeds, 6314 Wissahickon avenue; J. S. Wilson, 1125 Brown street; P. J. Hurley, 1233 Cherry street; H. E. Baton, Tenth and Sansom streets; Burd P. Evans, Thirteenth and Wallace streets; F. L. Hoover & Sons, Builders' Exchange; J. E. & A. L. Pennock, Land Title Building; F. A. Havens & Co., 845 North Nineteenth street, are figuring.

**Church and School**, Atlantic City, N. J., \$25,000. Architect, W. P. Enderbrook, American Mechanic Building, Trenton, N. J. Owners, St. Michael's Church, 6 North Mississippi avenue, Atlantic City, N. J. Brick and stone, three stories, 50x140 feet, electric lighting,

steam heating, slag roof, hardwood floors. Owners taking bids, due March 29: Wayne Construction Company, 1218 Filbert street, are figuring.

**Residence (alt. and add.)**, 4331 Spruce street. Architect, Stanley Yocom, 5517 Morris street, Germantown. Owner Harry J. Kuhn, on premises. Brick, three stories, electric light, steam heat. Owner has received bids.

**Municipal Building**, West Chester, Pa. Architects, Baker & Dallet, 1629 Chestnut street. Owners, Borough of West Chester, Pa. Brick and stone, two stories, 25x86 feet, slag roof, electric lighting, steam heating. Owners have received bids.

**Factory Building**, Bristol, Pa. Architect, C. T. Main, engineer, Boston, Mass. Owners, William H. Grundy & Co., Bristol, Pa. Brick and concrete, steel, fireproof, one, two and three stories, electric lighting, steam heating, slag roof. Owners have received bids.

**Bakery Building**, Pottstown, Pa., \$12,000. Architect, Charles Balderson, 411 Walnut street. Owner, John L. Schulz, Esq., Pottstown, Pa. Brick, two stories, slag roof, 60x140 feet, electric light, steam heating. Plans in progress.

**Bank Building**, West Chester, Pa., \$40,000. Architects, Baker & Dallet, 1629 Chestnut street. Owners, The First National Bank of West Chester, Pa. Marble, stone, brick, one story, 36x112 feet, slag roof, electric light, steam heating. Plans about completed. Architects ready for bids in one week.

**Warehouse**, Rosslyn, Va. Architects, Ballinger & Perrot, 1211 Arch street. Owners, Hires Turner Glass Company, 230 South Thirtieth street. Brick, one story, 150x208 feet, slag roof, electric light, steam heating. Owners have received bids.

**Hospital (alt. and add.)**, Thirty-third and Lancaster avenue. Architects, Broekie & Hastings, 328 Chestnut street. Owners, Rush Hospital, on premises. Brick, interior alterations, electric lighting, steam heating. Architects have received bids.

**Store House**, Ardmore, Pa. Architects, Wm. H. Wharton, Jr., 1616 Pine street. Owners, United Gas Improvement Company, Broad and Arch streets. Brick, two and one-half stories, 32x44 feet, slate roof. Owners taking bids, due March 30. James G. Doak & Co., Crozer Building, are figuring.

**Sanitarium Buildings**, Cresson, Pa. Architects, Welsh, Studevant & Poggi, Wilkes

Barre, Pa. Owners, State of Pennsylvania, care of Dr. Samuel G. Dixon, 1900 Race street. Frame, one and two stories, consists of additional buildings. Plans in progress. Owners will take bids about April 1.

**Parochial School**, New Oxford, Pa. Architect, Paul Monaghan, 722 Drexel Building. Owner's name withheld. Stone and brick, two stories, 55x70 feet, slate roof, steam heating, electric lighting. Architect is ready for bids.

**Residence and Garage**, Merion, Pa., \$75,000. Architects, Druckenmiller, Stackhouse & Williams, Land Title Building. Owner's name withheld. Stone and brick, half timber, two and one-half stories, 82x52 feet. Garage, 32x22 feet, two stories, tile roof, electric light, hot water heating, hardwood floors. Architects taking bids, due March 29. The following are figuring: J. S. Cornell & Son, Land Title Building; A. L. Fretz & Son, 1222 Chancellor street; R. C. Ballinger & Co., 218 North Thirteenth street; E. J. Hedden, 14 South Broad street; Metzger & Wells, Heed Building; F. L. Hoover & Sons, Builders' Exchange; J. E. Walt, 204 East Willow Grove avenue; J. P. Thompson, 1432 South Penn Square.

**Sub-station**, Mt. Clare, Baltimore, Md. Architect, M. A. Long, Baltimore office, B. & O. Owners, B. & O. R. R. Company, Baltimore, Md. Brick and concrete, 50x87 feet, one story, slag roof, electric lighting, steam heating. Owners have received bids.

**Laboratory Building**, Broad and Venango streets. Architect, H. C. Wise, 34 South Sixteenth street. Owners, Temple University, on premises of the Samaritan Hospital. Brick, stone, terra cotta, three stories, 34x80 feet, electric lighting, steam heating, slag roof. Architect taking bids, due March 30. The following are figuring: George F. Payne & Co., 401 South Juniper street; H. C. Rea Company, 711 North Fifteenth street; J. Myers & Sons, Witherspoon Building; A. R. Raff, 1616 Thompson street.

**Pier (alt. and add.)**, Chestnut and Delaware avenue. Architect, private plans. Owners, City of Philadelphia, Board of Education, 587 City Hall. Iron and steel, one story, slag roof, electric light. Owners taking bids, due March 29. The following are figuring: George Hogg, 1634 Sansome street; Doyle & Co., 1519 Sansom street; Filbert Paving and Construction Company, Pennsylvania Building; D. T. McCarthy, 1937 North Seventh street.



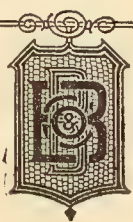
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Phones: BELL-LOCUST 1-24 N. E. Cor. 22d and Wood Streets  
KEYSTONE-RACE 8-24

**Store Building and Warehouse, West Ches-**  
ter, Pa. Architect, Fred. Webber, Morris  
Building. Owner's name withheld. Brick,  
terra cotta and concrete, three stories, 36x118  
feet, slag roof, electric lighting, steam heat-  
ing. Architect has received bids.

**Hotel, N. W. cor. Thirteenth and Filbert**  
streets, \$500,000. Architects, Esenwein &  
Johnson, 775 Ellicott Square, Buffalo, N. Y.  
Owners, Charles H. Vendig, care of I. Hecht,  
Bailey Building. Tapestry brick, stone, terra  
cotta, fireproof, twelve stories, 95x95 feet,  
electric lighting, steam heating, slag and tile  
roof. Owner has received bids.

**Buildings (5), Norfolk, Va.** Architects,  
Neff & Thompson, Norfolk, Va. Owners, Vir-  
ginia Railway Company. Brick and concrete,  
one, two and three stories, slag roof, electric  
light, steam heating. Owners have received  
bids.

**Roof Garden, Tenth and Sansom streets.**  
Architect, J. T. Windrim, Commonwealth  
Building. Owners, Jefferson Medical College,  
Tenth and Sansom streets. Brick, terra cotta,  
one story, fireproof, slag roof, electric light-  
ing, steam heating. Architect has received  
bids.

**Synagogue, Fifty-fourth and Sansom streets.**  
Architects, Anderson & Haupt, Drexel Build-  
ing. Owners, The Hebrew Congregation of  
West Philadelphia, care of B. Goldstein, 233  
South Fifth street. Brick, stone, one story,  
and basement, 25x80 feet, electric lighting,  
slag roof, steam heating. Owners taking bids.  
H. E. Grau Company, 1707 Sansom street, is  
figuring.

**Buildings and Platform (alt. and add.),**  
Mifflin street and Scuykill River. Architects,  
Savery, Sheetz & Savery, Stephen Girard  
Building. Owner, Crew Levick Company,  
Land Title Building. Architects have re-  
ceived bids.

**Club House, Ocean City, N. J.** Architects,  
Seymour & Paul A. Davis, 3d, 1713 Sansom  
street. Owners, Ocean City Yacht Club, Ocean  
City, N. J. Brick and frame, three stories,  
shingle roof, hot water heating, electric light-  
ing. Plans in progress. Architects will be  
ready for bids in about two weeks.

**Foundry, Shops and Offices, Twenty-third**  
and Westmoreland streets. Architect, W. L.  
Blythe, 608 Chestnut street. Owners, Bureau  
Bros., Twenty-first and Allegheny avenue.  
Concrete, brick and steel, fireproof, one and  
two stories, 100x125 feet, slag and slate roofs,  
electric lighting, steam heating. Architect  
taking bids, due March 28. The following are  
figuring: Irwin & Leighton, Twelfth and  
Cherry streets; H. E. Baton, Tenth and San-  
som streets; Metzger & Wells, Heed Building;  
James Johnston, 1721 Ludlow street; F. W.  
Van Loon, Denckla Building; Thomas Reilly,  
1616 Thompson street; B. Ketcham's Sons,  
1029 Brown street; William R. Dougherty,  
1608 Sansom street; Cramp & Co., Denckla  
Building; A. R. Raff, 1635 Thompson street.

**Residence, Gowan avenue, Mt. Airy, Pa.**  
Architect, Clyde S. Adams, 1233 Arch street.  
Owner, Frank V. Chambers, 115 Gowan ave-  
nue. Stone and brick, two and one-half stor-  
ies, 28x38 feet, slate roof, electric lighting,  
hot water heating. Architect ready for bids.

**Building (alt. and add.), 422 Bainbridge**  
street. Architects, Magaziner & Potter, 137  
South Fifth street. Owners, Young Women's  
Union, on premises. Brick, four stories, 45x

70 feet, slag roof, electric light, steam heat-  
ing. Preliminary plans in progress.

**Building, 835 Arch street.** Architects, Mag-  
aziner & Potter, 137 South Fifth street Own-  
ers, Keystone Trading Stamp Company, 702  
Arch street. Brick and concrete, six stories,  
25x145 feet, slag roof, electric lighting, steam  
heating. Preliminary plans in progress.

**Residence, Wayne, Pa.** Architects, Bissell  
& Sinkler, Bailey Building. Owner, R. Fran-  
cis Wood, Brown Building. Brick and plaster,  
two and one-half stories, 37x86 feet, shingle  
roof, electric light, steam heat. Architects  
will take revised bids in about a week.

**Institute (add.), 324 South Eleventh street.**  
Architects, Bissell & Sinkler, Bailey Building.  
Owners, Lincoln Institute, on premises. Brick,  
four stories, 47x84 feet, tin roof, steam heat-  
ing, electric lighting. Architects taking re-  
vised bids from the following: Metzger &  
Wells, Heed Building; A. L. Fretz & Son, 1222  
Chancellor street; William R. Dougherty, 1608  
Sansom street; Appleton & Burrell, 1204 Chan-  
cellor street; J. P. Thompson, 1432 South Penn  
Square; J. Sims Wilson, 1125 Brown street.

**Factory (add.), Philadelphia, Pa.** Archi-  
tects and builders, Wm. Steele & Sons, 1600  
Arch street. Owner's name withheld. Brick  
and concrete, four stories, 43x107 feet, elec-  
tric lighting, steam heating, slag roof. Ar-  
chitects taking sub-bids.

**Residence (alt. and add.), Chester, Pa., \$5,-**  
000. Architects, Price & McLanahan, Six-  
teenth and Walnut streets. Owner, Senator  
W. C. Sproul, Chester, Pa. Billiard room wing,  
one story, stone, 25x50 feet, slate roof, elec-  
tric light. Plans in progress.

**Residence, Richmond and Bridge streets,**  
Bridensburg, Pa. Architect, E. Allen Wilson,  
1208 Chestnut street. Owner's name with-  
held. Brick, two and one-half stories, 16x45  
feet, shingle roof, electric lighting, hot water  
heating. Architect taking bids, due April 1.  
The following are figuring: John Fothering-  
ham, 3367 Frankford avenue; Harry Moyer,  
Frankford avenue and Wishart streets; Edgar  
Stocks, 4927 Cedar street; John Ashton, 315  
Grange street.

**Residence, Ardmore, Pa.** Architects,  
Thomas, Churchman & Molitor, 1309 Walnut  
street. Owner Howard Butcher, 421 Chestnut  
street. Brick, two and one-half stories. Ar-  
chitects taking bids, due April 4. The fol-  
lowing are figuring: Alfred James, Bala, Pa.;  
J. E. Kearney, 327 North Sixty-third street;  
Metzger & Wells, Heed Building; Stokes Bros.,  
6723 Musgrave street; F. W. Allison & Co.,  
1710 Rittenhouse street; Appleton & Burrell,  
1204 Chancellor street.

**Residence, Youngstown, Ohio, \$25,000.**  
Architect, Charles Barton Keen, Bailey Build-  
ing. Owner's name withheld. Brick and plas-  
ter, two and one-half stories, 35x70 feet.  
Shingle roof, hot water heating, hardwood  
floors, electric lighting. Plans in progress.

**Residence, Youngstown, Ohio, \$40,000.**  
Architect, Charles Barton Keen, Bailey  
Building. Owner's name withheld. Hot wa-  
ter heating, two stories, 50x70 feet. Tile roof,  
hardwood floors, electric lighting. Plans in  
progress.

**Fire House, Darby, Pa.** Architect, H. M.  
Pedrick, Post Office Building, Darby, Pa.  
Owners, Darby Fire Company, No. 1, Darby,  
Pa. Brick, terra cotta, two stories, 93x42





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feet. Slate roof, electric lighting, steam heating. Revised plans in progress.

**Buildings (10)**, South Orange, N. J., \$500,000. Architects, J. O'Rourke & Sons, Newark, N. J. Owners, Home for the Aged and Infirm of Newark, N. J. Brick and concrete, fireproof, two and three stories. Slate and slag roof, steam heat, electric lighting. Revised plans in progress.

**Church, Sunday School and Manse**, Fifty-seventh and Washington avenue. Architect, George E. Savage, Witherspoon Building. Owners, Ninth Presbyterian Church. Stone, one story and basement, 150x200 feet. Slate roof, steam heating, electric lighting. Plans completed. Architect will take bids in about one week.

**Memorial Hall**, Villanova, Pa., \$100,000. Architects, E. F. Durang & Son, Twelfth and Chestnut streets. Owners, Villanova College, donated by V. Corr. Stone hall, 174x50 feet, three stories; chapel, stone, 94x40 feet, one story. Slate roof, electric lighting, steam heating. Plans about completed. Architects will take bids in about one week.

**Residence**, Park avenue and Medary avenue, Philadelphia. Architect, Lawrence Clark, Witherspoon Building. Owner, Katherine E. Murphy, care of architect. Brick and stucco, two and one-half stories, 30x61 feet. Shingle roof, electric lighting, steam heating, hardwood floors. Plans completed. Architect ready for bids.

**Flat Houses (17)**, Fifty-seventh and Kingessing avenue, \$65,000. Architect, E. Allen Wilson, 1208 Chestnut street. Owner, James Steele, Fifty-fourth and Chester avenue. Brick, two stories, 18x63 feet. Slag roof, hot water heating, electric lighting, hardwood floors. Plans in progress. Owner will take sub-bids.

**Garage**, Wynnefield, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street. Owner, John V. Redmond, East Monument road, Wynnefield. Stone, two stories, slate roof, hot water heating, electric lighting. Plans completed. Owner will take bids.

**Residence**, Mt. Airy, Philadelphia. Architect, Clyde S. Adams, 215 Gowan avenue. Tapestry brick, two and one-half stories, 40x30 feet. Slate roof, hot water heating, electric lighting. Architect taking bids, due March 28th. The following are figuring: C. E. Clark, 115 North Thirteenth street; J. Swartley & Co., 1325 Arch street; Alex. Chambley, 243 South Tenth street; D. F. Lesley, 849 North Sixteenth street; Boyer & Lewis, 307 Market street, Camden, N. J.; J. A. Thompson, Glenside, Pa.; A. Whitehead, 1624 Latimer street.

**Church**, Broad and Rockland streets. Architect, H. I. Reinhold, Tenth and Sansom streets. Owners, Logan Baptist Church, care of Rev. Spencer. Stone, one story, 50x75 feet. Steam heating, electric lighting, slag roof. Architect taking revised bids, due April 3rd. The following are figuring: J. W. Kohle, 38 North Broad street; Fesmier & Mitchell, Glenside, Pa.; W. F. Baldwin & Co., 41 South Fifteenth street; L. F. Reich, 1112 Loudon street; E. E. Wells Construction Company, 816 Corinthian avenue; W. J. Elliott, Coatesville, Pa.

**Residence (alt. and add.)**, 2044 Locust street. Architects, Baker & Dallett, 1629 Chestnut street. Owner, J. C. Wallace, Drexel Building. Brick, interior alterations and additions. Plans in progress.

**Residences (3)**, Radnor, Pa. Architect, Jacob Naschold, 723 Walnut street. Owners, Mary J. Chew and M. M. Brown, Radnor, Pa. Stone and frame, two and one-half stories, 26x35 feet. Shingle roof, electric lighting,

hat water heating. Architect taking bids, due April 9th. The following are figuring: J. F. McCloskey, 210 New street; P. Borthwick, Germantown avenue and Willow Grove avenue; J. Bird & Co., 213 North Eleventh street.

**Warehouse**, 250-52 North Third street. Architect, Jacob Naschold, 723 Walnut street. Owners, S. Ervin Diehl & Co., 251 North Third street. Brick, two stories, 50x95 feet. Slag roof, electric lighting, steam heating. Architect taking revised bids, due April 3rd. The following are figuring: J. Bird & Co., 213 North Eleventh street; George L. Sipps, 911 Locust street; J. F. McCloskey, 210 New street; F. P. Dillon, 1233 South Twentieth street.

### AT LANTIC CITY, N. J.

**Yacht Club**, Atlantic City, N. J., \$10,000. Architects, Stout & Reibenack, Bartlett Building. Owners, Yacht Club Holding Company, care of architects. Frame, three stories, 80x

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40 feet. Slate roof, electric lighting, hard-  
wood floors, hot water heating. Plans in  
progress.

**Apartment House**, Stenton and Atlantic  
avenues, Atlantic City, N. J. Architect, V.  
B. Smith, Bartlett Building. Owner, James  
Quinn, Atlantic City, N. J. Brick, three  
stories, 50x60 feet. Slag roof, electric light-  
ing, hot water heating. Plans in progress.

**Residences and Stores (3)**, Atlantic City,  
N. J., \$14,000. Architect, W. S. Hewitt, Bart-  
lett Building. Owner, Ralph A. Johnson, At-  
lantic City, N. J. Brick, three stories, 55x125  
feet. Slag roof, electric lighting, hot water  
heating. Owner will take sub-bids.

**Power House**, Wernersville, Pa., \$20,000.  
Architects, Stout & Reibenack, Bartlett  
Building. Owners, Galen Mountain Company,  
Galen Hall, Atlantic City. Stone, one story,  
50x72 feet. Asbestos shingle roof. Owners  
will take sub-bids.

**Hotel**, Atlantic City, N. J., \$200,000. Archi-  
tect, J. R. Ogden, Bartlett Building. Owner's  
name withheld. Brick, fireproof, nine stories,  
50x160 feet. Electric lighting, steam heat-  
ing, composition roof, hardwood floors. Plans  
completed. Architect ready for bids.

**Garage**, Atlantic City, N. J., \$15,000. Arch-

itect, W. S. Hewitt, Bartlett Building. Own-  
er, A. H. Lambert, Atlantic City, N. J. Brick,  
three stories, 50x132 feet. Slag roof, electric  
lighting, hot water heating. Owner taking  
sub-bids.

**Apartment House**, Atlantic City, \$20,000.  
Architect, W. S. Hewitt, Bartlett Building.  
Owners, Isaac Aaron Company, care of archi-  
tect. Brick, four stories, 25x135 feet. Elec-  
tric lighting, hot water heating, slag roof.  
Owners taking bids, due March 30. The fol-  
lowing are figuring: Thompson Brothers,  
Steelman Company, Abacus Construction  
Company and Amsterdam Construction Com-  
pany, of Atlantic City, N. J.

**Apartment House**, Atlantic City, N. J.,  
\$18,000. Architect, B. Ireland, Bartlett  
Building. Owner, Joseph Steen, care of archi-  
tect. Brick, three stories, 80x80 feet. Elec-  
tric lighting, hot water heating, slag roof.  
Plans completed. Architect ready for bids.

**Factory (6 Buildings)**, Egg Harbor, N. J.,  
\$250,000. Architect, W. S. Hewitt, Bartlett  
Building. Owners, Ingram Wheel Company,  
care of architect. Brick and concrete, fire-  
proof, one and two stories, 50x250 feet each.  
Electric lighting, slag roof. Plans in pro-  
gress.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man  
and Interior and Exterior Fitter.

**Residence**, Wilmington, Del. Architect,  
Robeson L. Perot, 26 South Seventeenth  
street. Owner, Alexis DuPont, on premises.  
Frame and plaster, three stories, 30x60 feet,  
electric lighting, steam heating, slate roof.  
Contract awarded to J. W. Bader, Wilming-  
ton, Del.

**Residence (alt. and add.) for Offices**, 1825  
Chestnut street. Architects, Bunting & Shrig-  
ley, 603 Chestnut street. Owner, Dr. William  
W. Speakman, on premises. Brick, two stor-  
ies and basement, slag roof, electric light,  
steam heating. Contract awarded to Doyle  
& Co., 1519 Sansom street.

**Bottling House**, 454 Rising Sun lane, \$6,500.  
Architect, Peter Kuhn, 3058 North Eighth  
street. Owner, John Friedrich, Fifth and  
Rising Sun lane. Brick, two stories, 53x88  
feet, slag roof. Contract awarded to Harry  
A. Smink, 5220 North Twelfth street.

**Factory (add.)**, Girard avenue and Howard  
street. Architect, private plans. Owner, E.  
J. Spangler, on premises. Brick, three stories,  
slag roof, electric lighting, steam heating.  
Contract awarded to J. T. McCorkell, 1935  
North Fifth street.

**Residence**, Overbrook, Phila. Architects,  
Thomas, Churchman & Molitor, 1309 Walnut  
street. Owners, Mrs. M. S. McMichan, The  
Rittenhouse, Twenty-second and Chestnut  
streets. Stone, three stories, shingle roof,  
steam heating; electric lighting. Contract  
awarded to A. James, Bala, Pa.

**Pier**, Gloucester City, N. J. Architect, Jas.  
Knox Taylor, Treasury Department. Owners,  
U. S. Government, Washington, D. C. Con-  
crete and steel, 300x400 feet. E. F. Fonder,  
Land Title Building, submitted the lowest bid,  
\$64,700.

**Garage**, City Line, Chestnut Hill, Phila.  
Architects, McGoodwin & Hawley, 36 South  
Sixteenth street. Owner, W. W. Harper, City  
Line and Wissahickon avenue. Tile, one  
story, 30x40 feet, slag roof, electric light,  
hot water heat. Architect will sub let.

**Club**, Pitman, N. J., \$3,500. Architect, Geo.  
F. Pawling & Co., Broad and Vine streets.  
Owners, Masonic Club, of Pitman, N. J.  
Frame, two stories, 40x72 feet, electric light,  
shingle roof. Contract awarded to Carter  
Bros., Pitman, N. J.

**Hotel (alt. and add.)**, Twenty-fourth and  
Chestnut streets, \$7,500. Architects, Duhring,  
Okie & Zeighler, Bailey Building. Owners,  
Fairview Hotel, on premises. Brick, four  
stories, new front. Contract awarded to P.  
Haibach Construction Company, Twenty-sixth  
and Thompson streets.

**Residence**, Chew and Phil Ellena streets,  
Germantown. Architect, A. Raymond Hol-  
land, 3922 Franklin street. Owner, W. M.  
Armstrong, care of architect. Brick and plas-  
ter, three stories, 16x35 feet, electric light,  
steam heat. Contract awarded to R. D. Noon-  
an, 420 Hight street.

**Crypt of J. P. Jones**, Annapolis, Md. Ar-  
chitect, Bureau of Yards and Docks, Washing-  
ton, D. C., care of William M. Smith, chief  
clerk. Owners, U. S. Government, Washing-  
ton, D. C. Stone, one story, electric light.  
Contract awarded to F. Gormley, Washington,  
D. C.

**Residence**, Oak Lane, Phila. Architects,  
DeArmond, Ashmead & Bickley, 618 Chestnut  
street. Owner, Harry Simons, Oak Lane,  
Phila. Stone and stucco, two and one-half  
stories, 26x43 feet, slate roof, electric lighting,  
hot water heat, hardwood floors. Contract



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awarded to Henry Specht, Jr., Willow Grove, Pa.

**Hall Building**, 2115-21 South street. Architects, Knapp & Bosworth, Wilkes Barre, Pa. Owner, John Wanamaker, care of Mr. Haddock, Thirteenth and Market streets. Stone and brick, three stories, 45x60 feet, slag roof, electric lighting, steam heating, hardwood floors. Contract awarded to James G. Doak & Co., Crozer Building.

**Sunday School (alt. and add.)**, Frankford, Pa. Architects, Lachman & Murphy, Witherspoon Building. Owners, Herman Presbyterian Church, on premises. Brick, two stories, electric lighting, steam heating, slag roof. Contract awarded to C. West & Co., Harrison and Horocks streets, Frankford, Pa.

**Store and Apartments**, Walnut lane, Philadelphia. Architect, private plans. Owner, A. Bieregel, 6023 Germantown avenue. Brick, three stories, 26x65 feet. Electric lighting, steam heating, slag roof. Contract awarded to William J. Gruhler & Co., 219 East High street.

**Baking Room (alt. and add.)**, Twelfth and Girard avenue, \$24,000. Architect, J. T. Windrim, Commonwealth Building. Owners, Continental Equitable Title and Trust Company, Stephen Girard Building. Stone, frame and bronze, electric lighting, steam heating, hardwood floors. Contract awarded to J. Myers & Sons, Witherspoon Building.

**Grain Elevator**, Girard Point, Pa. Architect, William Cookman, Broad Street Station. Owners, Pennsylvania Railroad Company. Foundations, pilings and excavations and concrete. Contract awarded to Armstrong & Latta, Land Title Building.

### ATLANTIC CITY, N. J.

**Digestor Building**, Atlantic City, N. J., \$2,200. Architect, W. H. Gibson, Harrison Building, Philadelphia, Pa. Owners, Atlantic Product Company, on premises. Concrete and steel and brick, one story, 66x92 feet. Iron and slag roof. Contract awarded to E. L. Bader, Bartlett Building, Atlantic City, N. J.

## Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

J. M. Snyder (O), 1733 Butler street. Eight dwellings, \$40,000. Brick, three stories, 19x45 feet, Upsal and Lincoln avenue.

Earl A. Duff (O), 3648 Frankford avenue. T. Duff (C), 3648 Frankford avenue. Cost, \$10,500. Seven dwellings, brick, two stories, 14x40 feet, Jasper and Cambria streets.

F. C. Michaelsen (O), Land Title Building. Cost, \$5,600. Three stories, brick, two stores and dwellings, 16x45 feet, Ninth and Butler streets.

Wolf Fregood (O), 624 South Third street. John Knauss (C), 847 Jackson street. Cost, \$4,000. Store and dwelling, brick, three stories, 18x65 feet.

J. J. Hurley (O), Roxborough, Pa. Cost, \$2,900. One dwelling, brick, three stories. Cost, \$11,200. Four dwellings, Monastery and Ridge avenues.

Richard McDugall (O), Forty-fifth and Locust streets. Cost, \$40,000. Brick, two stories, 15x41 feet, Fifty-fifth and Walnut streets.

Charles F. Woehr (O), 505 Ruscomb street. F. J. Blatz (C), 4923 North Lawrence street. Cost, \$2,325. Dwelling, brick, 16x58 feet.

George S. Rie (O), 6935 Paschall avenue. Cost, \$7,400. Four, two stories, brick resi-

dence, 16x41 feet, Eastwick avenue and Fifty-fifth street.

Michael Minanci (O), 4436 Stiles street. B. Lihinsk (C), 3250 Gaul street. Cost, \$8,400. Six two-story dwellings, 16x35 feet, Stiles and Duncan street.

Nicholas Assolano (O), Sixth and Fitzwater streets. Cost, \$3,000. One three-story dwelling, 18x45 feet, 629 Fitzwater street.

Dr. P. H. Skillern (O), 2032 Chestnut street. F. E. Wallace (C), 1210 Sansom street. Cost, \$12,300. Apartment house, three stories, 30x38 feet, 3509 Baring street.

Mary J. Armstrong (O), Germantown avenue and Beder street. J. T. Zillen (C), 5248 Jefferson street. Cost, \$4,500. Dwelling, three stories, 21x65 feet, Wyoming avenue.

Thomas Bernard (O), 1624 Sansom street. George Hogg (C), 1624 Sansom street. Cost, \$6,000. Three stories, store and dwelling, 26x48 feet, Thirteenth and Oak Lane.

William Armstrong (O), Chew and Phil Ellens street. R. D. Noonan (C), 420 High street. Cost, \$40,000. Store and dwelling, 16x36 feet, 22x12 feet, three stories, Chew and Phil Ellena street.

P. C. Tourison (O), 29 Washington avenue. Belmont Iron Works (C), Twenty-second and Washington avenue. Cost, \$500. Manufactory.

Fred Leubrandt (O), 3244 North Broad street. J. W. Emery (C), 1524 Sansom street. Cost, \$7,000. Store, 123 North Second street.

Jacob Knup (O), Berkley and Pulaski avenue. L. V. Schaeffer (C), 4521 Pulaski avenue. Cost, \$2,600. Residence.

Philadelphia Iron Works (O), 412 North Eighteenth street. Cost, \$400. Brewery, 2123-29 Clearfield street.

Robert Drummond (O), 2025 Germantown avenue. F. K. Stahl (C), 2513 North Park avenue. Cost, \$450. Store and dwelling, 2027 Germantown avenue.

M. Flamm (O), 2942 Ridge avenue. B. F. Widen (C), 2917-19 Fletcher street. Cost, \$600. Store and dwelling, 2232 Ridge avenue.

Henry Baton (C), Tenth and Sansom streets. Cost, \$1,600. Store and dwelling, Tenth and South streets.

Inglis & Rose (O), Seventh and Walnut streets. I. Doughlas (C), 146 Broad street. Cost, \$475. Hotel, 257-59 North Second street.

Ludwic Boss (O), 3357 Master street. J. N. Mortimer (C), 3024 E street. Cost, \$450. Shops, 3356 Waterloo street.

Young Republican Club (O), 1516 Parrish street. I. T. Lesley & Co., 849 North Sixth street. Cost, \$540. Club.

T. J. Dunn (O), 2302 Montgomery avenue. F. J. Wintz (C), 1618 North Twenty-seventh street. Cost, \$1,250. Store and dwelling, 1523 North Twenty-first street.

G. F. Pfund (O), 3945 Germantown avenue. William T. Walker (C), 3930 Elser street. Cost, \$7,800. Cold storage, 3947 Germantown avenue.

H. R. Stock (O), 1503 North Sixteenth street. M. R. Dillon (C), 4801 Walnut street. Cost, \$800. Store, 1803 Market street.

Richardson & Weir (O), Jasper and Westmoreland streets. McLaughlin Bros. (C), 521 St. James street. Cost, \$3,500.

R. Sternstein (O), 1436 Point Breeze avenue. G. Glazer (C). Cost, \$600. Dwelling and store, 1436 Point Breeze avenue.

Estate of Frank R. Mellon (O), Bryn Mawr, Pa. George C. Dougherty (C), 1711 Ranstead street. Cost, \$3,700. Apartment house, 258 North Eleventh street.

Horn & Hardart (O), Jnipier and Cherry streets. Harry R. Rust (C), 41 North Hutchinson street. Cost, \$600.

Point Breeze Park Company (O), 1028 Land Title Building. C. E. Albright (C), 1028 Land Title Building. Cost, \$4,000. Amusement, Twenty-fifth and Penrose avenue. Cost, \$10,000. Racing purposes, Twenty-fifth and Penrose avenue.

S. P. Wetherill & Co. (O), Twenty-second and Westmoreland streets. A. Custodes Chimney Company (C), 95 Nassau street, N. Y.

Orinoke Mills (O), Ruth and Somerset streets. William Steele & Sons (C), Sixteenth and Arch streets. Cost, \$500. Garage.

Unopened and unread trade papers on a business man's desk may sometimes indicate a busy life, but they more generally represent neglected opportunities that should be looked after.—“Concrete Age.”

Busy people make time. You cannot put in an hour or two each month to greater profit than in reading your trade paper. And do not stop at the editorial pages. The advertising pages and trade topics will prove of even greater interest and money value to you.—Ex.

## Alterations and Additions

John Hunt (O), 2025 North Thirty-first street. E. H. Sturts (C), 2614 Ridge avenue. Cost, \$950. Dwelling, 2025 North Thirty-first street.

J. W. Thackera (O), 5245 Germantown avenue. Cost, \$3,500. Dwelling, store and garage.

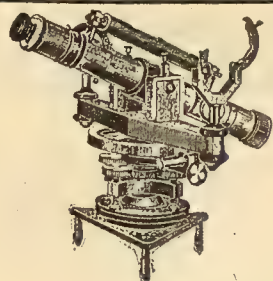
Clarence Albert (O), 1826 Thompson street. J. G. Doak & Co. (C), Crozer Building. Cost, \$500. Dwelling.

M. Hirst (O), Byberry, Pa. W. D. Bulrick (C), Sarhertarn, Pa. Cost, \$1,500. Dwelling.

Louis Bergdoll Estate (O), Twenty-fourth and Parrish streets. Philip Haibach Contracting Company, 2530 Thompson street. Cost, \$7,000. Hotel, Twenty-fourth and Chestnut streets.

John Dobson (O), 837 Market street. Louis Alexander (C), 1326 Chestnut street. Cost, \$1,000. Store, 837 Market street.





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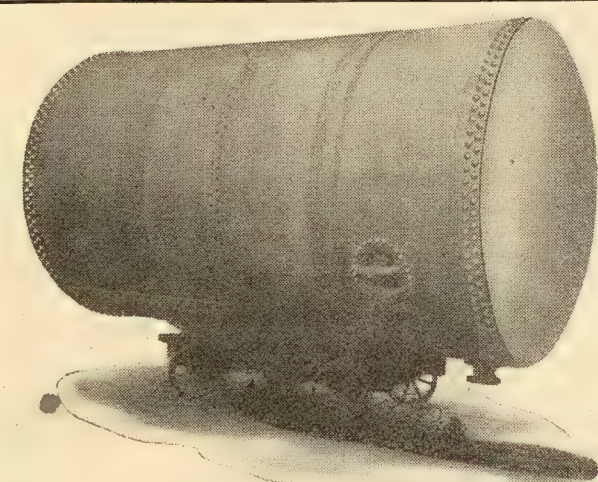
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## DEVELOPMENT OF THE CONTRACT SYSTEM

Based on European Models but under the Impulse of American Methods.  
Has Evolved into a System Largely Native and Original.

The development of the contract system in this country was, of course, based on that used in England and Europe originally, but on account of the rapidity with which buildings, etc., have to be erected on this continent, we have gradually gotten away from what might be termed the more paternal system as used in England and other foreign countries originally and which is still being used in that part of the world in a modified form.

Abroad when a building project is developed, the plans and specifications are made by the architect similar to the methods in this country, but before any figures are taken the plans and specifications are gone over by what is known as the Quantity Surveyor, who makes exhaustive and detailed estimate sheets of the labor and material required in the structure in every trade, except, perhaps, in what might be termed the more technical branches of plumbing, heating and wiring. These quantities are then separated under the headings of each trade and are sent to several contractors in each of the different branches, who then send in their figures, and if they are responsible people the lowest in each trade is given the work; after which is appointed what is termed the "Clerk of Works," or what would be known in this country as the Superintendent, who is employed by the architect and is under his supervision, but is paid by the owner. The Clerk of Works has under his direction as the architect's lieutenant the assembling and erection of all the different parts of the building and is also responsible to the architect for the inspection of all material on the ground and construction work, and also has the power to reject work not in conformity with the plans and specifications. Very often this system is varied by the employment of a probably more experienced man than the usual Clerk of Works, who would be in the nature of a General Superintendent, and after the Quantity Surveyor is through with his estimates the work is carried on under the direction of the former by the system popularly known as day labor, or in other words, the General Superintendent purchases all the material and employs all the labor which is paid for on his order by the owner direct from time to time as may be necessary or usual.

Both of the above systems have their several advantages. In the first instance, there is only one man responsible for the correct laying out and erection of the work, but he is not hampered by being under either a money or a time contract, and therefore his only effort is, or should be, as excellent a piece of work as it is possible for him to obtain under the plans and specifications; in the second instance, the same observations apply as in the first, although the General Superintendent has probably a more direct

and general power in that he can employ or discharge at will any workmen, and is also unhampered by any previous contract or arrangement, and, as the work develops, if he wishes to change the method of construction under the direction of the architect, or the material or in any way improve upon the methods as adopted, he is at liberty to do so without in any way jeopardizing any previous agreement.

In this country, as has been observed, the necessity for a more rapid and varied construction has developed a contract system which has its advantages and disadvantages, which we hope to touch upon in the main in this article. The general contract system, as it is now in vogue, was called into being by the above conditions and also by the varied interests of most owners and the strenuous business system that is prevalent and has been for many years throughout this continent, whereby it is necessary for an owner to be able to turn over a building proposition of almost any proportions to people in whom he has confidence after having engaged an architect and secured plans and specifications to his satisfaction, so that merely by signing a satisfactory contract he is practically relieved or is supposed to be relieved of any further trouble or worry about it. This condition has developed more especially in the large centers, big construction companies, who by their systematic methods and organization are able to undertake almost any sort of a proposition and carry it through to final completion in all its details, even to the extent of what is known as a "lock and key" job, or, in other words, bring it to such a point of completion that all the owner or occupants have to do is to merely open the door, walk in, and pursue the business or occupation for which the structure was erected.

As will be seen, this comprehensive method appeals to a great number of business men who, for numerous reasons, consider this method ideal, relieving them as it does from practically all interest in the matter except financing it, which is usually, or should be done, before the work is let by contract.

The usual attitude of the architectural profession has been similar to that of the owners, as naturally the letting of a large building or other construction to such an organization relieves the architect of numerous details, both of drawing and superintendence which he would otherwise have taken care of, and when the general contracting company is one of high standing he is often quite safe in depending upon them or their organization to relieve him of practically all the petty annoyances that are bound to come up on a structure of any size or importance. On the other hand, by the mere simplicity of this system, it has made a great many architects overlook the practical end of the profession



to such an extent that they have been apt to not only lose their previous knowledge, but puts them in such a state of mind that it is not necessary for them to keep up with the trend of thought thereby being rather a detriment to the individual architect in the end than a help, although any development of this kind, one way or the other, is naturally dependent upon the character of the individual who may or may not be willing to leave the detail to whatever organization may be erecting his buildings, depending largely upon his personal interest in his own professional standing and upon his view of the integrity necessary to serve the interests of his clients in every way possible even though the work is apparently being handled to his entire satisfaction.

It is not necessary to go into the detail of the general contracting system, as it is well known to any one with experience in the building business, except in a general way, to state that; when a general contractor figures on a structure he secures competitive figures from several sub-contractors or independent contractors in each of the different branches that go into the building, and upon the lowest of these several estimates he bases the figure he finally presents to the owners, of course, adding the cost of any part of the work which he intends to do himself and his profit and contingent charges upon the entire construction. It is also well known that many abuses have crept into this system of which the smaller or sub-contractor generally stands the onus, as, for instance, even after a general contractor secures a contract based on the use of the figures of certain men in different trades, if he is successful in securing the work he will often institute another competition to not only enhance his profit by the possibility of securing a lower figure than the one he has used, but also to make him doubly secure in what is generally known as the contingency fund or matters of cost which may come up during the erection of a large building and which cannot be always foreseen but should be looked out for in this way.

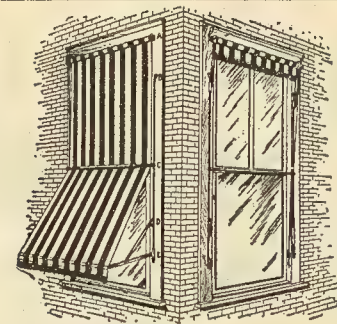
These methods by which a general estimate is made up have tended to depreciate the spirit of independence in the sub or trade-contractors, as they naturally become dependent upon the general contractor for the majority of their work. This dependence and being under the direction or employment of another, even though more important tradesman, has also tended to depreciate the quality of the work, as the matter of dollars and cents enters into every proposition too strongly, and when the work of the sub-contractor is criticised by the owner or his representative he is very apt to state that his contract with the

general contractor does not call for any better work than he is doing regardless of the plans and specifications, which are sometimes abrogated by these separate agreements.

Of late years, therefore, there has come into use a method which may be called the direct or trade-contract system; in other words, the plans and specifications are so prepared that each separate trade can figure on any building under the direction of the architect and owner, and the contracts are let one by one to the different trades in their natural sequence, such as excavation, foundation work, structural work, brick work, etc., and in this way more time is given to the selection of the proper person or firm to conduct each separate part of the work, and the details both design and construction are, therefore, more carefully worked out by both the architect and the individual contractor, who each have an opportunity to study each division of the work, and by this means a more comprehensive and better system of construction is often evolved by which both time and money are saved, and, the most important point of all, the best workmanship and materials are obtained.

Under the direct or trade-contract method, it is, of course, necessary to have a general superintendent, who should be a man with a working practical knowledge of every trade that goes into the structure, who will work in close harmony and sympathy with the architect and carry out the latter's ideas and instructions to the letter, thus eliminating the necessity for an order to go through so many different channels as is the case under the usual general contract system, whereby, often occasion will arise where an architect or superintendent remonstrates about some point with the sub-contractor or orders him to do it in a different way from that which he is pursuing, the sub-contractor will not move until he has consulted with the general contractor and finds that it is absolutely necessary for him to subscribe to the orders of the architect or superintendent; thus making a condition of divided authority, which is anything but good for the well being and proper operation of the work.

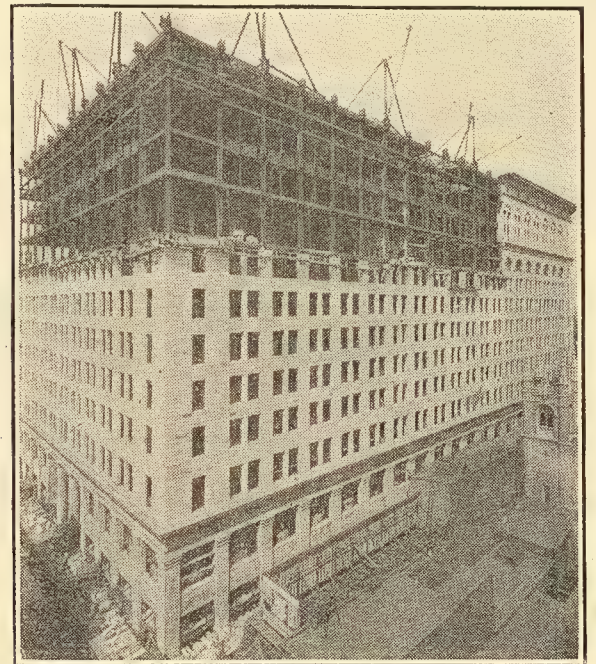
There is no intention to state anything derogatory of the general contracting system, as there are many instances where it is impossible to use any other system to advantage, nor is it the intention to give the impression that the average general contractor is not all that he should be. While on the other hand a great many architects, especially those who have been in practice a great many years, owe the success of the majority of their structures to what might be termed the old line general contractor than whom there are few men whose honesty and integ-



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rity is of so high an order, or to whom the profession as a whole cannot be too grateful. But, it can be at once realized that in large structures where there are often twenty or thirty different trades engaged, it takes executive ability of the highest order to keep these different units in proper harmony, dovetailing one with the other in such a way as to get a satisfactory and economical result, and this is more often the case in the well or-





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#### RECENT TRADE LITERATURE.

The current number of "The Indicator," published by the Otis Elevator Company, 17 Battery Place, New York, N. Y., presents on the front cover an illuminated view of the Metropolitan Tower. At the Fifth Annual New York Electrical Show the Otis Elevator Company had a most interesting exhibit, a notable feature of which was a "fool-proof" automatic elevator which required no attendant. The operation of the elevator seemed like the work of a great magician."

\* \* \*

Blaw Collapsible Steel Centering Company, Westinghouse Building, Pittsburgh, Pa., have just issued Bulletins Nos. 50 and 51. No. 50 describes and illustrates, with sectional drawings, the Blaw system, of adjustable steel forms for walls, columns, girders, beams and floors in reinforced concrete buildings. No. 51 describes and illustrates the Blaw system of collapsible steel forms for concrete fire-proofing of steel frame buildings.

\* \* \*

The announcement that Lee-Hi will hereafter work in conjunction with the old Lehigh brand mark is made in the first issue of a monthly publication edited by S. B. Chittenden, Jr., of the Chicago office of the company. "The Lehigh" will appear regularly and will contain editorial matter of interest to cement users and dealers.

**Akron Roofing and Floor Tile.**—We are requested to announce by Mr. C. F. Shellenberger, 303 Builders' Exchange, Philadelphia, Pa., who is the representative of the Akron Roofing Tile Company, of Akron, Ohio, in Eastern Pennsylvania, Southern New Jersey and Delaware, that the company is under entirely new management and that they are facilitated to fill all orders promptly. Owing to the fact that they have considerably enlarged their plant, they are now in a position where their output is more than doubled.

The great demand for Akron tile all over this country as well as some of the other countries has necessitated this. A large stock of red shingle and Spanish tile will be carried on hand and all other shapes and colors will be made up in an unusually short time after receipt of an order. Deliveries will be guaranteed for future work, if desired, and no expense will be spared in placing this popular product before the trade in the manner that it so justly deserves.

Both the company and Mr. Shellenberger desires to thank the trade in general for the recognition given Akron tile in the past and in the future will do everything in their power to give entire satisfaction to those who use their tile.

#### TO WOMAN.

"They talk about a woman's sphere  
As though it had a limit,  
There's not a place in earth or heaven  
There's not a task to mankind given  
There's not a blessing or a woe.  
There's not a whispered yes or no,  
There's not a life, a death, a birth,  
There's not a feather's weight of worth,  
Without a woman's in it."

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them must be of a class that can cope with big things in a large way, or they cannot be attained. In other words, the ideas at the base of the Ancient Guilds of Craftsmen should be revived and the respect of the community for the trades and tradesmen revived to the lasting good and honor of the most ancient art in the world.—A. Ten Eyck Brown in "Concrete Age."

The manufacturer who is able to make goods useful to the building trade, is able to sell those goods at a price his competitors with "something equally as good" can't sell for less money and who advertises those goods regularly in a publication read by builders and architects can't help being a success. His rise to affluence is just as certain as a proposition in Euclid.

Do you think it is "good business" to indirectly in the building field.

Boost your home town! And remember there's no better way to do this than to carry space in the home trade paper.

The man that doesn't advertise nowadays is a barnacle. And he ends up like a barnacle by being scraped off.

ganized companies which have become so general in this country, but, if the profession gave the thought to constructive problems that they should it would soon develop the same executive function without which the trade-contract system or any other would be a failure.

Therefore, regardless of the means and methods adopted, the mind in controlling





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## Architectural Notes.

### Notes of the March Meeting Philadelphia Chapter, A. I. A.

The usual dinner preceded the meeting, fourteen members being present at the dinner. The meeting took place at the T Square Club, on Tuesday, March 11th, at 8 o'clock, with President John Hall Rankin in the chair. After the reading of the minutes of the February meeting and of the four meetings of the Executive Committee held since then reports of committees were proceeded with.

Among the chairmen or members of committees who reported Mr. E. A. Crane, of the Committee on Biography and History, asked that all members who had not yet filled in the Biographical blanks should do so as promptly as possible in order that the files of the committee may be made complete at an early date.

Mr. F. M. Day, for the Committee on Preservation of Historic Monuments, reported that the work of restoring Congress Hall was proceeding satisfactorily under contract. He further reported the important fact that the committee were in consultation with the city authorities about the old market house

at Second and Pine streets, the rumor having been circulated that it was to be demolished. The committee will make recommendations for the retention and use of this attractive old landmark. He also reported that his committee expected in the near future to visit old Fort Mifflin, on the Delaware River, to make an examination of the historic buildings there. Mr. Day also made a general report for the Committee on Municipal Improvements, of which he is chairman.

In the absence of the chairman of the Committee on Education and Program, the President announced that preparations are under way for the entertainment of the State Association and visiting members of the other Chapters in the State at the next meeting in April, at which an informal dinner will be given in connection with the meeting.

The President, Mr. Rankin, further announced that he and other officers or committees of the Chapter had been in consultation with the municipal authorities during the past month about several matters of importance to the city, among them being the standardization of certain city specifications, municipal tree planting, relief of traffic congestion, and letters from city officials con-

cerning these and other matters were read to the meeting.

Mr. Rankin also reported that he had attended the meeting before the Congressional Committee in Washington last week relative to the proposed Lincoln memorial. As Mr. Medary, who was present had also attended this meeting in his capacity as a Director of the Institute, Mr. Rankin called upon him to relate to the Chapter the details of the testimony before the Congressional Committee, which he did. As a result the members were enlightened on this subject, as it was shown that the advocates of a "memorial roadway" were forced to admit that the appropriation under discussion before the committee would only build an ordinary roadway thirty feet wide by eight inches deep without paying anything for right of way or other necessary incidentals. It was even, he said, conclusively shown, and admitted by the roadway advocates, that a memorial roadway such as they proposed would cost very much more than the apparently large estimate of cost put forth by the Institute and others.

The regular business of the meeting being disposed of, Mr. Day was called upon to speak about the "Standard Documents of the Institute," as announced in the call for the meeting.

Being thoroughly familiar with all of these

(Continued on Page 217)



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John Irving Dillon.....Editor

PHILADELPHIA, PA., MARCH 27, 1912.

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## THE RELATION OF COMMON SENSE TO "FIREPROOF" CONSTRUCTION.

One hears a great deal these days about what has come to be known as "fireproof" construction—concrete, metal trim, automatic sprinkler equipment, metal roofing, etc., and if given to the habit of permitting others to do his thinking may be easily misled into assuming that the cause of an overwhelming percentage of all of the fires which occur every year are due primarily to faulty, indifferent or defective construction. Or, to put it another way, one may gather the idea that buildings burn because they are not of fireproof construction and that fireproof construction means an end to fires and the losses traceable thereto. As a matter of hard, refrigerated fact, "fireproof construction" is a mere figure of speech. That which is meant by the phrase "fireproof construction" is properly fire-retardant construction, as may be shown by the dismal failure under test of dozens of buildings supposedly fireproof.

"Do not be fooled by the word 'fireproof,'" says the "Grinnell Automatic Sprinkler Bulletin." "Until we write on slabs of steel, sit on chairs of asbestos, wear shoes of concrete and trousers of tin, absolute fireproofing is impossible. A powder mill might be fireproof in construction, yet people are not in the habit of making it a smoking room. When you hear 'fireproof construction,' remember that many things are only skin deep—the contents count."

To put an end to the long string of disastrous fires the observance of intelligent precautionary measures is quite as essential as the use of fire-retardant materials in construction. Abroad where the fire loss figures rate away below those shown here, year by year, the number of "fireproof" structures is not nearly great enough to, in itself, account for the striking difference in the returns. The one rational way in which to account for this difference is to indicate the immense advance observable in European cities in the line of these precautionary measures. Strict, systematic and regular inspection of all buildings with prompt and summary penalties visited upon the building owner, occupant or lessee who disregards official regulations has exercised a greater influence for the minimization of fire losses in European centers than can be traced to any notable superior fire-resisting qualities in their buildings over those of our buildings here. Factory, loft and store buildings littered with inflammable rubbish would be as impossible in any of the important German cities as they are here common. Obstructed stairways would no more be tolerated than loose powder. Fully seventy per cent. of all local fires in the opinion of a prominent fire fighting official might be prevented by the exercise of common care in removing and disposing of inflammable waste material. How great a percentage of all of the fires in the United States may be traced to the same indifference to common precautionary prudence must be left to con-

jecture. When it is considered that the fire waste in the United States averages \$250,000,000 per year—\$30,000 per hour, or about \$500 per minute—it would seem to be worth while to take up the subject of intelligent precautionary measures as well as to talk noisily about "fireproof construction." "The Guide" has no quarrel with the use of fire-retardant materials. It believes in such materials most heartily and vigorously advocates their use. But—hand in hand with the use of these materials "The Guide" advocates also the use of good, plain, common sense. The fire that doesn't get a start does small damage. The old adage that an ounce of prevention is worth a pound of cure still holds good.

## THE OPEN STAIRWAY AND THE MODERN TENEMENT.

The importance of the open stairway as a feature of model tenement construction is made the subject of an interesting paper by Charles Warren Hastings in the February number of "Architecture and Building." Mr. Hastings points out that in the open stairway as applied to the Vanderbilt tenements in New York City a satisfactory solution has been found for one of the most vexatious problems associated with this type of building. To quote from Mr. Hastings' paper:

"The Vanderbilt tenements possess all the advantages usual in model tenements, such as garbage closets, ample light courts, etc.; but the radical improvement in their construction is embodied in the open stairways, of which there are four in each building, a flight starting from each corner of the main court of each building and ascending to the roof. These stairways, being open to the air on all four sides, give off no noisome odors because of the currents of fresh, outside air constantly passing through them; filth and litter are too readily seen to accumulate; fire escapes are rendered unnecessary, for there can be no better fire escape than the open stairway itself. In the event of fire, each occupant can go out upon the balcony in front of his own door, which, being a fireproof, self-closing door, automatically closes, thus preventing any possibility of flames shooting up the stairway. The danger of suffocation by smoke is entirely obviated, because no matter how dense the volume of smoke may be, the animated current of air will carry it aloft and dissipate it, removing even the danger of stupor. The stairways, being open on all sides and in clear view of the watchmen or police, cannot be used for the immoral purposes for which the enclosed stairs of tenements are so often employed. The use of the open stairways gives an increased area of 12 square feet which may be added to the room space in each apartment. The stairs are protected from the weather by wired glass at the top, insuring safe and comfortable access to and from the street in inclement weather. There are no elevators, and in order that the climbing of the stairs may not be unduly tiresome,



benches are provided as resting places on each landing."

These Vanderbilt tenements, planned and designed by Mr. Henry Atterbury Smith, contain other essentials of model tenement planning, such as roof gardens, sun pavilions, etc. Their most notable advance over old and accepted improvements is in this open stairway idea with its safety in case of fire, its desirability from a sanitary point of view, its hygienic possibilities as a channel for the circulation of fresh air and incidental liberation of stench and its immensely enlarged usefulness as a factor in proper ventilation and intelligent natural lighting. The few objections that are urged to the open staircase are so trivial in comparison to its advantages that they may be said to scarcely merit consideration. Indeed, it would be a distinct gain, from the hygienic standpoint, if the regulations in all big cities compelled the adoption of this type of stairway to the exclusion of all others. Such hardships as might be entailed thereby in isolated instances would be more than compensated for by the corresponding resultant good to the community as a whole.

### INFLUENCES OF PRACTICAL CONDITIONS ON ARCHITECTURAL DESIGN.

Some very excellent generalizing on the subject of contemporary architecture marks a paper contributed by Mr. C. Matlack Price to the current number of "Arts and Decoration." Discussing "The Development of a National Architecture," with special reference to the widely known, always stimulating and uniformly admirable work of Mr. Grosvenor Atterbury, Mr. Price observes:

"His (Mr. Atterbury's) theory is that success in architecture, with attendant elements of originality, can come only through an intelligent and able reckoning with existing practical conditions. This is an admirable theory, particularly inasmuch as it is not a rule. It is rather more like a point of view, and it naturally adapts itself to each case to which it is applied. It can readily be seen, even in the abstract, that any really significant and lasting sort of architecture must be the growth of actual personal needs, and must be modified by such restrictions or enhanced by such advantages as physical conditions may offer. Thus any house is, or should be, designed only after a study of the climate, the general nature of the country and the special nature of the site, the natural planting of the trees and the local traditions and the local materials. A consideration of all these elements should enter into the design of the country house, and in this is embodied the essence of Mr. Atterbury's theory. The city house is far less affected by local conditions, being usually at its best when it most closely follows convention.

"It is further manifest that a country house designed primarily to conform with the local conditions and with the personal predilections of the client must necessarily be

original, and generally unique, for the reason that no two sets of conditions, combined with no two characters of personal preference, could possibly be identical. There is always some potent difference, if only in the matter of cost, and when all conditions are taken into consideration the resultant house must be not only different from others, but appropriate in itself.

"It has only been the result of following local tradition, through successive generations, that such distinctly national types of building as the Swiss chalet, the French chateau, the Italian villa and the English country house came into being, and, if it were possible to suppose that the natural and economic requirements were the same throughout this country, something like a national style of American architecture might be evolved. Centers of esthetic inspiration are so widely separated, however, buildings are so scattered and natural surroundings and climatic conditions are so varied that it is hard even to centralize or epitomize the analysis of our architecture, and practically impossible to centralize the ideals of its practice.

"Furthermore, it must be remembered that in the days when the dominant architectural styles of Europe took form there was less travel than to-day, no photographs or architectural books, and, consequently, a better chance, through sheer necessity, to develop a personal individuality in the buildings of any one country.

"To-day, and especially in this country, we find such ready inspiration in various kinds of European architecture, with which we are familiar through travel or photograph, we lack the patience, the faith (and often the ingenuity) to evolve something of our own, that we daily defer the development of a national style in architecture.

"Realizing that the abiding charm of the English country house of to-day, for instance, is the result of centuries of evolution, perhaps the client of to-day is, after all, wiser to adhere to such standards as show the proven acceptability and worth of past generations. One sympathizes with his reluctance to commit himself to such originalia of purely problematical merit as the tradition-free architect may inflict upon him, and one feels that the safest and, in the end, the most satisfying architecture for the American country house is the architecture that is based upon such a theory as that of Mr. Atterbury. For his work should go far to convince the thoughtful observer that the basis of architectural design on the study of conditions is a basis which will at least lead to a thoroughly excellent, individual house, if not to a generally national architecture at large."

### ARCHITECTURAL NOTES.

(Continued from page 215)

documents, he was well qualified to do so, and he took up in order the schedule of charges, code of ethics, code of competitions, general conditions of specifications, contract forms, etc.

During the course of his remarks he in-

vited discussion which brought out further information of value to all practitioners and showed how useful the documents of the Institute are and how in proportion to their general adoption they can be of the greatest help to every member of the profession.

Among those who took part in the discussion Mr. L. V. Boyd called attention to what he considered advisable modifications in, or rather additions to, the Institute's schedule of charges to make it of even greater practical value to the architects and their clients in Philadelphia, the admitted center of residential architecture.

Upon motion it was decided to create a new committee of the Chapter to be known as the "Committee on Practice," which should be charged with the preparation of a revised schedule of charges for the Philadelphia Chapter, which schedule should conform to all the provisions of the Institute schedule. In view of the creation of this new committee Mr. D. K. Boyd moved that it should also be charged with the preparation of the document which he had advocated at the last meeting, namely, a form of understanding, not agreement, between the client and architect setting forth the "principles of practice," a combination, as it were of the schedule, the code of ethics and the code of competitions, the same to be incorporated, if favored by the committee, with the proposed Chapter schedule. The motion was adopted.

After further discussion by Mr. Sellers, Mr. Medary, Mr. Duhring and Mr. Lovatt, the meeting, with a vote of thanks to Mr. Day for his valued talk, adjourned.

### Preliminary Announcement of the Annual Meeting of the Pennsylvania State Association of the American Institute of Architects.

The fourth annual meeting of the Pennsylvania State Association will be held in Philadelphia on Tuesday, April 9th, previous yearly meetings having been held in Harrisburg and Pittsburgh.

Sessions will be conducted in the morning and afternoon, at the Engineers' Club, No. 1317 Spruce street.

The morning session will be devoted to routine business, election of officers, etc., at which only delegates from the different Chapters will be present.

The afternoon session will begin at 2.30 o'clock and will be given over to a discussion on "Improvements in Building Construction" and to any other business which may be brought before the meeting by members of the three Chapters of the State, all of whom are invited to be present. Prominent officials and other persons have consented to speak on various phases of the subject announced.

At 6.30 o'clock in the evening the Philadelphia Chapter will give an informal dinner to the State Association and to all visiting members of the Pittsburgh and Southern Pennsylvania Chapters at Kugler's restaurant, 1412 Chestnut street, Philadelphia. At the conclusion of the dinner the regular



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monthly business of the Philadelphia Chapter will be quickly disposed of and addresses will be made by officers of the Institute and by other distinguished persons.

More detailed announcement will be made later, and notices will be sent by the Association to all members of the Pittsburgh, South-

ern Pennsylvania and Philadelphia Chapters and to other architects in the State who will be invited to be present.

D. KNICKERBACKER BOYD,  
President.

WILLIAM L. BAILY,  
Secretary.

## New Ideas, Materials and Devices

Innovations in Material and Equipment That Merit the Interest of Architect and Building Owner—A Running Resume of Novelties More or Less Recent.

### A New Dixon Product:

The Joseph Dixon Crucible Company of Jersey City has just put on the market a new chain graphite, especially intended for lubricating the chains of motor trucks and pleasure cars.

This preparation is put up in sticks, cylindrical shape, two inches by eight inches, encased in a neat cardboard carton and weighing about one pound each. It is made of the same material as the Dixon bicycle stick graphite with every which bicycle owner is familiar.

It is by far the most convenient chain lubricant on the market, for a bar may be carried on the car ready for use at any time. To apply it is simply necessary to rub the bar against the sprocket side of the chain. The "big stick" makes it easy to keep automobile driving chains in first-class condition. Unlike oils and greases, it will not collect dust and dirt.

### Filter Installation:

The New York Continental Jewell Filtration Company, offices, 18 Broad street, New York, is engaged in the manufacture of filters,

which, it is claimed, are the result of many years of experimentations and research and they are prepared to equip plants on the basis of actual requirements as to source of supply and volume of water demanded.

They desire to be of assistance to architects who may have occasion to specify filters in connection with buildings.

### The Paragon Extinguisher:

The Paragon Extinguisher and Boyd-Warehouse chemical fire engines, made by James Boyd & Bro., Inc., Twenty-fifth and Wharton streets, Philadelphia, Pa., are among the best. The Paragon extinguisher, with the exception of the rubber hose, is of metal construction, has a liquid capacity of two and one-half gallons, has been thoroughly tested and they offer it as a dependable and durable apparatus.

The Boyd-Warehouse chemical fire engine has a capacity of forty gallons, is especially adaptable to the protection of buildings where the hazard is an extra one, is compact in size and has a horizontal throwing distance, it is stated, of about seventy feet. Complete information on request.

## Trade News and Gossip

Cullings from the Week's News, with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

\*\*An event of considerable importance to consumers and the trade in general occurred last week when the Upper Kittanning Brick Company, moved its principal sales office to the headquarters of Houghtalling & Wittpenn, agents for "Texture" and other Kittanning products, at 44 East Twenty-third street, New York City. E. M. Houghtalling has been elected president and general manager of the company and C. E. Foster was elected vice-president and resident director at Bradford, Pa., where the company's plants are located.

\*\*Howes & Russell, Crozer Building, Philadelphia, are to control the output of the Birch River Lumber Company, a manufacturing company now securing articles of incorporation, and which will operate about 1,500 acres

of hardwood and hemlock in Nicholas County, W. Va. The capitalization of the Birch River Company is \$25,000. George A. Howes is president, John S. Howes, vice-president, and H. A. Russell, secretary.

\*\*The eighth annual convention and exposition of the National Association of Sheet Metal Contractors will be held in St. Louis on June 10 and 14.

\*\*On March 1, 1912, Mr. F. E. Guy entered upon the duties of his new appointment as assistant Eastern traffic manager for the Universal Portland Cement Company, of Chicago, Ill., and Pittsburgh, Pa., with offices in the Frick Building, Pittsburgh.

\*\*W. J. Glantz is one of the latest accessions to the ranks of the Philadelphia lumber





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selling forces. He has become associated with G. M. Chambers, Eastern representative of the Kendall Lumber Company of Pittsburgh, with headquarters in the North American Building. Mr. Glantz is salesman for New Jersey, while Mr. Chambers is general Eastern representative as before for the Kendall Lumber Company.

\*\*W. A. Hukill, Jr., who recently opened an office at 831 Real Estate Trust Building, Broad and Chestnut streets, Philadelphia, for the Goodyear Lumber Company of Buffalo, N. Y., is already winning success in his new work. The Goodyear Company, of which J. W. Trounce is general sales manager, is a widely known hemlock firm, and the combined reputation of the house and the new representative in this city will make the combination a winning one, according to the predictions of leading men in the trade here.

\*\*The directors of the Retail Lumber Dealers' Association of Pennsylvania which assembled in convention the last of January met recently and elected these offices for the ensuing year: President, George N. Glass, Pittsburgh; first vice-president, J. E. Holbein, Evans City, Pa.; second vice-president, C. P. Andrews, New Bethlehem, Pa.; treasurer, A. J. Stewart, Washington, Pa.; secretary, A. C. Rightor, Pittsburgh, Pa. Mr. Stewart and Mr. Rightor were elected after having served

satisfactorily several years in their respective offices.

The Consolidated Lumber Company of Georgia, large manufacturers of yellow pine, headquarters Brunswick, Ga., have opened a sales office at 32 Broadway, Manhattan, under the management of Mr. H. C. Buck, Jr., who has for a number of years past been identified with the wholesale trade. The Consolidated Lumber Company of Georgia are large manufacturers of yellow pine, with mills at Broxton, Beach, Douglas and Zirkle, Ga., with other supply connections, which places the company in a position to cater promptly and efficiently to the wants of the Northern buyers of yellow pine cargoes, either of lumber, timber or railroad ties. The Consolidated Lumber Company of Georgia is officered and directed by gentlemen who have for many years been prominently identified with the yellow pine trade of Georgia, as follows: President, T. H. Calhoun; first vice-president, R. J. Corbett; secretary and treasurer, C. C. Vaughn; directors, J. M. Ashley, T. S. Price, G. F. Taylor, H. F. Sears, C. C. Vaughn, J. J. Dorminy, T. H. Calhoun, R. J. Corbett.

\*\*The Hilton-Dodge Lumber Company, headquarters Savannah, Ga., announces that Mr. A. Shoaf has been appointed manager of the New York sales office of the company, 17 Battery Place. Mr. Shoaf has been identified

with the wholesale market for several years past, having been first associated with the H. M. Bickford Company, of Boston, as manager of their New York office, 1 Madison avenue, Manhattan, subsequent to which he joined the Robert R. Sizer & Co. forces as manager of their Philadelphia office, which connection he now severs to take charge of the Hilton-Dodge Lumber Company.

\*\*New York Chapter is compiling a list of consulting, heating and ventilating engineers throughout the country and would be glad to receive from any source the names and addresses of such engineers. These should be sent to the secretary of the chapter, Joseph Graham, 154 Nassau street, New York.

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TREASURY DEPARTMENT, OFFICE OF the Supervising Architect, Washington, D. C., March 14, 1912.—Sealed proposals will be received at this office until 3 o'clock P. M. on the 25th day of April, 1912, and then opened, for the construction, complete (including plumbing, gas piping, heating apparatus, electric conduits and wiring, and interior lighting fixtures) of the United States post office at Laurens, S. C. The building is to have a ground area of approximately 4,500 square feet; two stories and basement, faced with stone and brick and the first floor of fireproof construction. Drawings and specifications may be obtained from the custodian of site at Laurens, S. C., or at this office, at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect.

TREASURY DEPARTMENT, OFFICE OF the Supervising Architect, Washington, D. C., March 9, 1912.—Sealed proposals will be received in this office until 3 o'clock P. M. on the 24th day of April, 1912, and then opened, for the construction, complete (including plumbing, gas piping, heating apparatus, electric conduits and wiring, and lighting fixtures), of the United States post office at Corinth, Miss. The building is two stories and basement, with a ground area of approximately 4,900 square feet. First floor is fireproof; stone and brick facing; tin roof. Drawings and specifications may be obtained from the custodian of site at Corinth, Miss., or at this office, at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect.

TREASURY DEPARTMENT, OFFICE OF the Supervising Architect, Washington, D. C., March 15, 1912.—Sealed proposals will be received in this office until 3 o'clock P. M., on the 27th day of April, 1912, and then opened, for the construction (including plumbing, gas piping, heating apparatus, electric conduits and wiring, and interior lighting fixtures) of the United States post office at Gaffney, S. C. The building is one story and basement, and has a ground area of approximately 4,200 square feet; non-fireproof construction throughout; brick and terra cotta facing, and tin roof. Drawings and specifications may be obtained from the custodian of site at Gaffney, S. C., or at this office, at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect.

TREASURY DEPARTMENT, OFFICE OF the Supervising Architect, Washington, D. C., March 15, 1912.—Sealed proposals will be received in this office until 3 o'clock P. M. on the 26th day of April, 1912, and then opened, for the construction complete (including plumbing, gas piping, heating apparatus, electric conduits and wiring, and interior lighting fixtures) of the United States post office

at Johnstown, Pa. The building is one story and basement, stone faced, of fireproof construction (except roof), and has a ground area of approximately 8,300 square feet. Drawing and specifications may be obtained from the custodian of site at Johnstown, Pa., or at this office, at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect.

TREASURY DEPARTMENT, OFFICE OF the Supervising Architect, Washington, D. C., March 19, 1912.—Sealed proposals will be received in this office until 3 o'clock P. M. on the 30th day of April, 1912, and then opened, for the construction, complete (including plumbing, gas piping, heating apparatus, electric conduits and wiring and interior lighting fixtures), of the United States post office at Somerset, Ky. The building is one story and basement and unfinished attic, and has a ground area of approximately 4,800 square feet. First floor only fireproof; stone and brick facing, and tin roof. Drawings and specifications may be obtained from the custodian of site at Somerset, Ky., or at this office, at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect.

TREASURY DEPARTMENT, OFFICE OF the Supervising Architect, Washington, D. C., March 18, 1912.—Sealed proposals will be received in this office until 3 o'clock P. M. on the 29th day of April, 1912, and then opened, for the construction (including plumbing, gas piping, heating apparatus, electric conduits, and wiring and lighting fixtures) of the United States Post Office at Penn Yan, N. Y. The building is to be one story and basement of approximately 3,800 square feet ground area, brick faced, tin roof, wood trim, and nonfireproof construction. Drawings and specifications may be obtained from the custodian of the site at Penn Yan, N. Y., or at this office, at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect.

### REAL ESTATE TRANSFERS.

Summary for week ending March 23rd, 1912:

Number of transfers.....	769
Amount of transfers.....	\$2,114,971.88
Cash consideration .....	624,268.54
Mortgage consideration .....	1,490,703.34
Ground rent consideration.....	13,363.00
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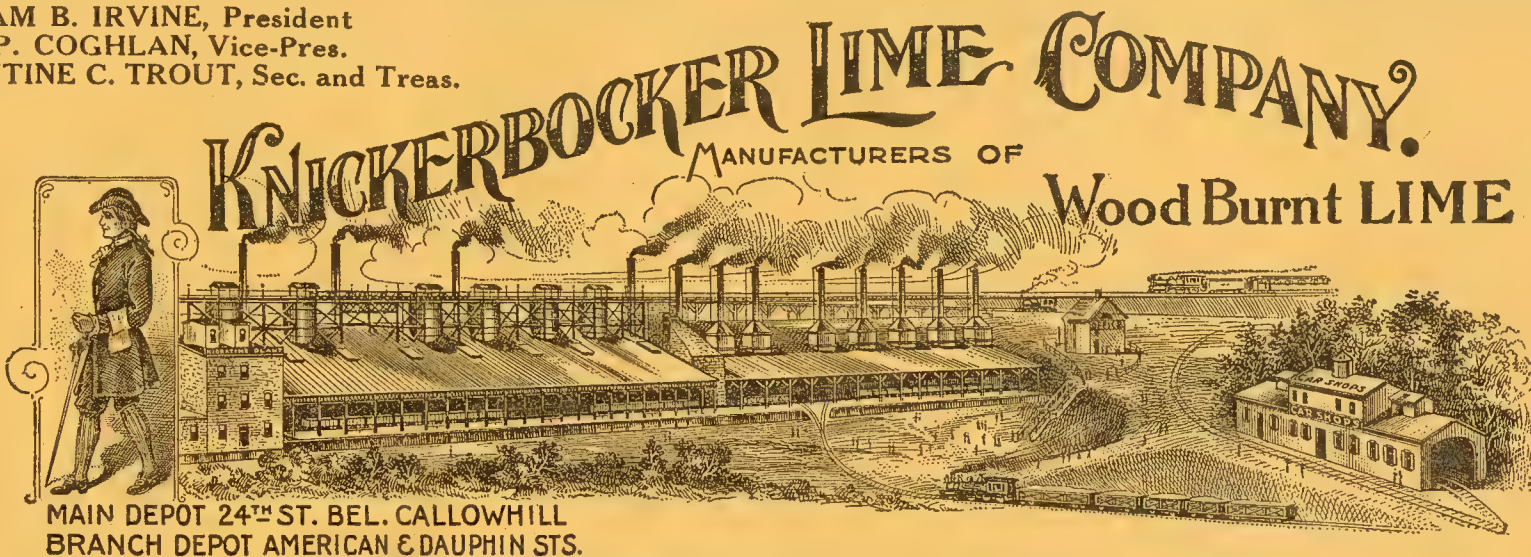
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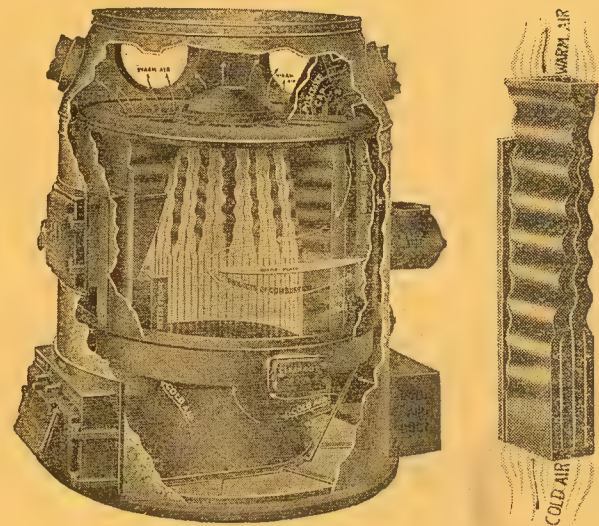
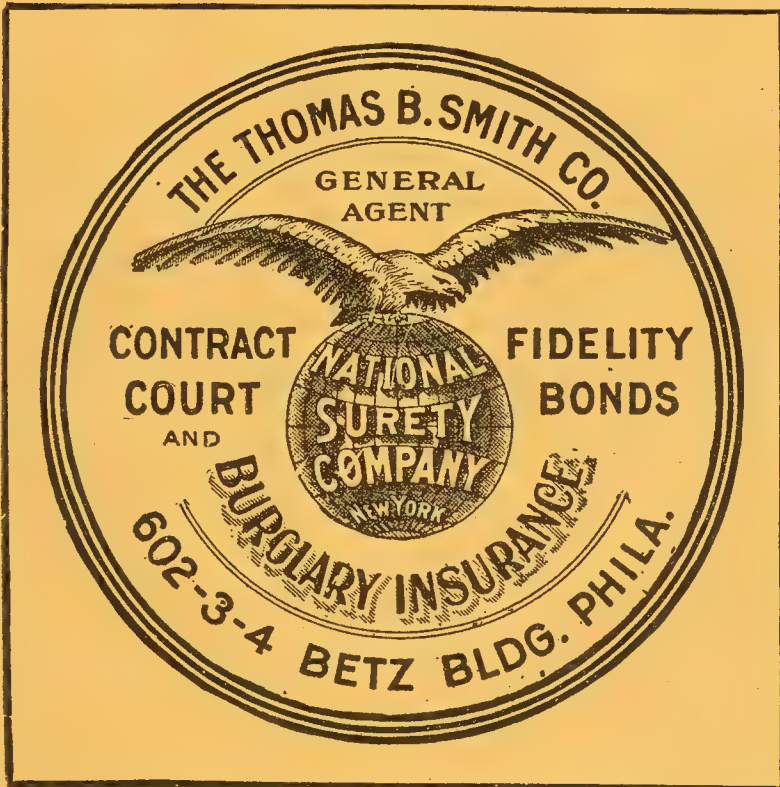
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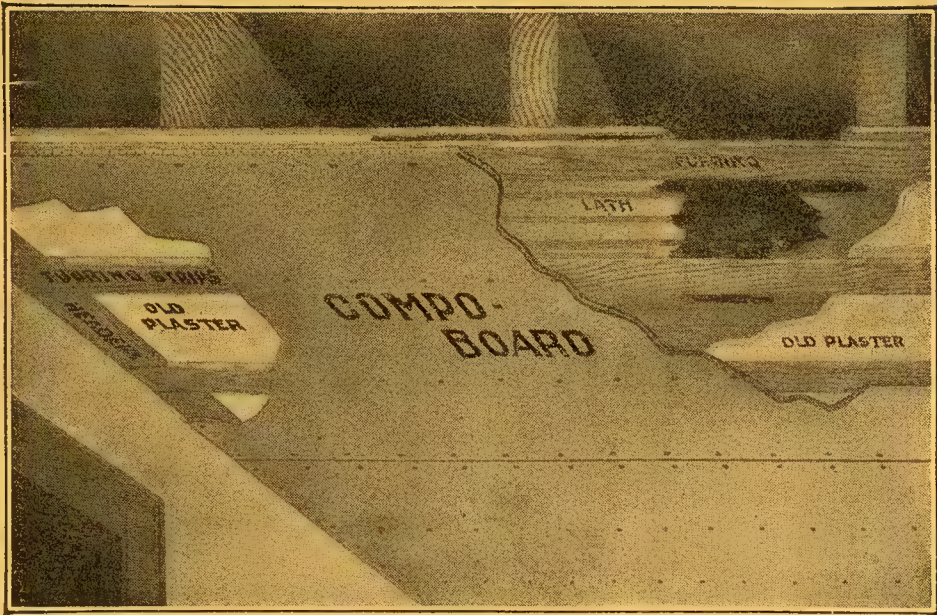


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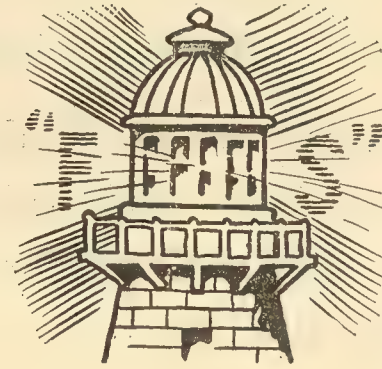
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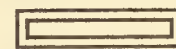
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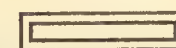


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# Builders' Guide

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Vol. XXVII., No. 14.

PHILADELPHIA, WEDNESDAY, APRIL 3, 1912.

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## Advance Construction News

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**Factory (6 Buildings),** Egg Harbor, N. J., \$250,000. Architect, W. S. Hewitt, Bartlett Building, Atlantic City, N. J. Owners, Ingram Wheel Company, care of architect. Brick and concrete, one and two stories, 50x250 feet each, slag roof, electric lighting. Plans in progress.

**School,** Caldwell, N. J. Architect, Ernest E. Twist, Passaic, N. J. Owners, Board of Education of Caldwell, N. J. Brick, two stories, 44x100 feet, electric lighting, steam heating, tin roof. Owners taking bids, due March 30. The following are figuring: Metzger & Wells, Heed Building; A. Bottoms & Son Company, 41 South Fifteenth street.

**Fire House,** Highland Park, Pa. Architect, private plans. Owners, Highland Park Fire Company, Highland Park, Pa. Stone, two stories, 35x53 feet, asbestos roof, electric light, steam heating. Owners have received bids.

**Residences (2),** St. Martins, Philadelphia. Architects, McGoodwin & Hawley, 34 South Sixteenth street. Owner, Dr. George Woodward, North American Building. Stone, three stories, 27x54 feet, 22x81 feet. Shingle roof, electric light, hardwood floors. Architects taking bids, due April 4th. The following are figuring: F. B. Davis, 35 South Seventeenth street; J. E. Walt, 204 East Willow Grove avenue; Fred. Elvidge, 5522 Germantown avenue; Pringle Borthwick, 8018 Germantown avenue; Henry L. Brown, 1714 Sansom street.

**Store Building (lat. and add.),** 4251 Lancaster avenue. Architect, James C. Fernald, 5533 Wyalusing avenue. Owner, George Shoemaker, 4249 Lancaster avenue. Brick, one story, 18x22 feet. Electric lighting, steam heating. Architect has received bids.

**Hall,** Nanticoke, Pa. Architect, H. B. Emery, 501 Bennett Building, Wilkes-Barre, Pa. Owner, Polish Falcon Society, care of architect. Brick, three stories, 50x125 feet. Electric lighting, steam heating, slag roof. Architect has received bids.

**Factory Building,** 764 South Swanson street. Architect, private plans. Owners, the General Engineering Company, on premises. Brick, two stories, 50x50 feet. Slag roof, electric lighting. Owners have received bids.

**Residence,** Riverton, N. J. Architects, Simon & Bassett, 1112 Chestnut street. Owner, Samuel L. Borton, care of architect. Hollow tile and stucco, two stories, 39x50 feet. Slate roof, hot water heating, electric lighting. Architects have received bids.

**Residence,** Collingswood, N. J. Architect, Adnold H. Moses, 136 South Fourth street. Owner, W. Westcott, care of architect. Brick, two and one-half stories, 25x36 feet. Shingle roof, electric lighting, hot water heating. Plans in progress.

**Residence,** Trenton, N. J. Architects, Arnold H. Moses and George E. Poole, assoc., 136 South Fourth street. Owner, Hon. F. O. Biggs, care of architect. Brick, three stories, 44x72 feet. Slate roof, steam heating, electric lighting, hardwood floors. Architects have received bids.

**Building (alt. and add.),** 2209 to 11 North Front street. Architect, private plans. Owners, United Gas Improvement Company, care of Mr. Wood, Broad and Arch streets. Brick, two stories, slag roof, steam heating. Owners taking bids, due April 4th. The following are figuring: J. G. Doak & Co., Crozer Building; William Steele & Sons Company, 1600 Arch street; F. J. Boas, 112 North Broad street.

**Residence and Garage,** Merion, Pa. Architect, R. Lea Perot, 26 South Seventeenth street. Owner, Martin J. Mulkin, North American Building. Stone and plaster, two and one-half stories, 40x50 feet. Electric lighting, steam heating, shingle roof. Architect has received bids.

**Factory,** Twenty-fourth and Wood streets. Architects, Sauer & Hahn, 1112 Chestnut street. Owners, Ford & Kendig, Twenty-fourth and Wood streets. Brick and steel, two stories, 40x30 feet. Slag roof, electric lighting. Architects taking bids, due April 3rd. The following are figuring: A. R. Raff, 1635 Thompson street; Lam Building Company, 1001 Wood street; Irwin & Leighton, 126 North Twelfth street; Smith Hardican Company, 1606 Cherry street; J. S. Wilson, 1125 Brown street.

**Building (alt. and add.),** Third and Callowhill streets. Architect, C. E. Schermerhorn, 430 Walnut street. Owners, Humphrey & Martin, on premises. Brick, two stories, slag roof. Architect taking bids, due April 5th. The following are figuring: B. P. Evans & Co., Thirteenth and Wallace streets; Royd house-Arey Company, Fidelity Building; George Kessler, Drexel Building; H. L. Lovett, 316 Callowhill street; A. J. Donaldson, 2237 Oxford street; Henry Dahl, 231 South Eighth street.

**Residence,** Haddonfield, N. J. Architects, Morris & Erskine, Crozer Building. Owner's name withheld. Hollow tile and concrete, two

stories, 46x36 feet. Slate roof, electric lighting, hot water heating. Plans in progress.

**Residence,** Wyndmoor, Pa. Architects, Morris & Erskine, Crozer Building. Owner's name withheld. Stone, two and one-half stories, 40x35 feet. Slate roof, electric lighting, hot water heating. Plans in progress.

**Residence,** Haverford, Pa., Gulf and Avon roads, \$18,000. Architects, DeArmound, Ashmead & Bickley, 618 Chestnut street. Owner, A. A. Hirst, 211 South Sixth street. Stone, two and one-half stories. Shingle roof, tile roof, electric lighting, vacuum heat. Plans in progress.

**Factory Building,** Third and Walnut streets. Architect, F. Webber, Morris Building. Owner's name withheld. Brick and concrete, eight stories, 28x127 feet. Electric lighting, steam heating, slag roof. Architect has received bids.

**Residence,** Cambridge, Mass., \$8,000. Architect, Bart Tourison, Land Title Building. Owner, Mrs. T. A. Earl, 11 Everett street, Cambridge, Mass. Stone, two and one-half stories, 41x27 feet, wing, 17x27 feet, tile floor, electric lighting, hot water heating, hardwood floors. Plans in progress.

**Residence,** St. Davids, Pa., \$10,000. Architects, Evans, Warner & Bigger, Witherspoon Building. Owner's name withheld. Stone, two stories, shingle roof, electric lighting, hot water heating, hardwood floors. Plans in progress.

**Residence (alt. and add.),** Paoli, Pa. Architects, Evans, Warner & Bigger, Witherspoon Building. Owner's name withheld. Stone, two stories, electric light, interior alterations. Plans in progress.

**Lodge Building,** Wilmington, Del., \$80,000. Architect, J. D. Thompson, Ford Building, Wilmington, Del. Owners, Independent Order of Odd Fellows, Wilmington, Del. Brick, four stories, 100x107 feet, electric light, steam heat, slag roof. Plans in progress.

**Residence,** St. Martins, Phila., \$20,000. Architect, Edmund B. Gilchrist, Harrison Building. Owner, Dr. George Woodward, North American Building. Brick and plaster, two and one-half stories, 20x100, shingle roof, hot water heating, electric lighting, hardwood floors. Architects taking bids. The following are figuring: F. B. Davis, 35 South Seventeenth street; J. E. Walt, 204 East Willow Grove avenue; Fred. Elvidge, 5522 Germantown ave; Pringle Borthwick, 8018 Germantown avenue; H. L. Brown, 1714 Sansome street.



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**N. E. Cor. 22d and Wood Streets**

**Bank, Pottsville, Pa.** Architect, F. X. Reilly, Pottsville, Pa. Owners, Union Safe Deposit Bank, Pottsville, Pa. Stone, two stories, 20x70 feet, slag roof, electric light, steam heating. Architect has received bids.

**Apartments (20), Fifty-ninth and Baltimore avenue.** Architect, E. Allen Wilson, 1208 Chestnut street. Owner, George Ruhland, Fourth and Rockland streets. Brick, two stories, 20x60 feet, slate roof, electric light, steam heating. Owner taking sub-bids.

**Factory Building, Mt. Holly, N. J.** Architects, Ballinger & Perrott, 1211 Arch street. Owners, The Ottomobile Company, care of Murrell Dobbins, Esq., president, City Hall, Philadelphia. Concrete, one and two stories, electric lighting, steam heating, slag roof. Architects taking bids, due April 4. The following are figuring: D. H. Sharp, Camden, N. J.; B. Ketcham's Sons, 1029 Brown street; P. Haibach Construction Company, Twenty-sixth and Thompson streets; Appleton & Burrell, 1204 Chancellor street; J. S. Rogers Company, Moorestown, N. J.; W. S. Gale, Mt. Holly, N. J.; William R. Dougherty, 1608 Sansom street; H. L. Brown, 1714 Sansom street; A. Whitehead, 1624 Latimer street.

**Stable and Coal Pocket, Tenth and Diamond streets.** Architects, Ballinger & Perrott, 1211 Arch street. Owners, Fretz Realty Company, 1015 Diamond street. Brick and concrete, three stories, 32x132 feet, slag roof, electric lighting, steam heating. Architects have received bids.

**Residence, Park avenue and Medary avenue.** Architect, Lawrence Clark, 1001 Witherspoon Building. Owner, Catherine Murphy, care of architect. Frame, two and one-half stories, 30x61 feet, shingle roof, electric lighting, hardwood floors. Architect taking revised bids, due April 4. The following are figuring: John H. Dagney, Oak Lane, Phila.; J. W. Stevens, Wynecote, Pa.; F. R. Hill, Oak Lane; William H. Gruhler, 219 High street, Germantown; M. E. Hauser, Glenside, Pa.

**School, Raritan Township, N. J.** Architect, Harry A. Young, Keyport, N. J. Owners, Board of Education of Keansburg, N. J. Brick, two stories and basement, 67x60 feet, slate roof, electric lighting, steam heating. Owners taking bids, due April 5. Abel Bottoms & Son, 41 South Fifteenth street, are figuring.

**Residence and Garage, Wynnefield, Pa., \$15,000.** Architect, E. Allen Wilson, 1208 Chestnut street. Owner's name withheld. Stone, brick, two and one-half stories, 48x60 feet, slate roof, electric lighting, hot water heating, hardwood floors. Plans in progress.

**Apartments (alt. and add.), 3420 Race st.** Architect, O. A. Casner, Tenth and Sansom streets. Owner, Mrs. Lily A. Gara, on premises. Brick, three stories, electric light, slag roof. Architect taking bids, due April 4. H. E. Baton, Tenth and Sansom streets, is figuring.

**Factory Buildings (2), Orthodox street and Delaware avenue.** Architect and engineer, M. Ward Easby, Crozer Building. Owners, Ajax Metal Company, Richmond and Frankford avenues. Brick and concrete, electric lighting, slag roof. Engineer will take sub-bids in about two weeks.

**Apartment House, Oak Lane, Pa.** Architect, A. M. Adams, 1012 Walnut street. Owners, Oak Lane Building Company, C. E. Lloyd, Nineteenth and Cambria streets. Stone, two

stories, 30x65 feet, slate roof, electric light. Owners taking sub-bids.

**Moving Picture Theatre, Germantown, Philadelphia.** Architects, Watson & Huckel, 1211 Walnut street. Owner, J. J. Keenan, care of architects. Brick, one story, 39x120 feet, steam heating, electric lighting, slag roof. Architects taking bids, due April 5. The following are figuring: E. J. Kreitzburg, 1345 Arch street; George & Borst, 277 South Eleventh street; H. C. Dahl, 231 South Eighth street.

**Hospital (alt. and add.), Thirty-fourth and Spruce streets.** Architects, Brockie & Hastings, 328 Chestnut street. Owners, University of Pennsylvania Hospital, Thirty-fourth and Spruce streets. Brick, one story, 25x31 feet, slate roof, electric light, steam heating. Architect taking bids, due April 4. The following are figuring: F. E. Wallace, 1210 Sansom street; William H. Dougherty, 1608 Sansom street.

**Club House, 1108-14 Walnut street, \$600,000.** Architects, Barnett, Haynes & Barnett, care Charles Henry Genslinger, North American Building. Owners, Philadelphia Athletic Club, Harrison Townsend, president, S. W. corner Tenth and Chestnut streets. Brick, steel, fireproof, terra cotta, seventeen stories. Plans in progress.

**Associatnon Building, Fifteenth and Cherry streets.** Architects, Bunting & Shrigley, 603 Chestnut street. Owner, Young Friends Association, Fifteenth and Cherry streets. Brick, fireproof, seven stories, 85x51 feet, slag roof, electric lighting, steam heating. Architects will take bids, due April 12. The following are figuring: A. Whitehead, 1624 Latimer street; John R. Wiggins, Heed Building; H. C. Rea, 711 North Fifteenth street; Doyle & Co., 1519 Sansom street; A. R. Raff, 1635 Thompson street.

**Church, Sharon Hill, Pa.** Architect, E. Hazelhurst, 1433 Chestnut street. Owner, The Sharon Hill Presbyterian Church. Stone, one story and basement, 42x105 feet, slate roof, electric lighting, steam heating. Architect taking bids, due April 4. The following are figuring: H. E. Grau, 1707 Sansom street; John Duncan, 920 Walnut street; Pomeroy Construction Company, 1609 Ranstead street; F. L. Hoover & Sons, Builders' Exchange; A. Raymond Raff, 1635 Thompson street; F. E. Wallace, 1210 Sansom street; William R. Dougherty, 1608 Sansome street; B. Ketcham's Sons, 1029 Brown street; J. Richards, Collingsdale, Pa.; Powers & Logan, 2010 Chancellor street; Milton W. Young, Overbrook, Phila.; William Provost, Chester, Pa.; Arthur Williams Son, 411 Locust street.

**Post Office, Johnstown, Pa.** Architect, J. Knox Taylor, Washington, D. C. Stone, one story, tile roof, electric lighting, steam heat. Owners taking bids, due April 26. The following are figuring: James G. Doak & Co., Crozer Building; J. E. and A. L. Pennock, Land Title Building; H. E. Baton, Tenth and Sansom streets.

**Stable, Carlisle street and Columbia avenue.** Architect, E. F. Durang & Son, 1200 Chestnut street. Owners, Sisters of Mercy, on premises. Brick, two stories, 21x54 feet, electric lighting, slag roof. Architects have received bids.

**Residence, Cynwyd, \$8,000.** Architect, Frank Seeburger, Pennsylvania Building. Owner, F. B. Whittington, Bala, Pa. Stone,





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**Residences (5)**, Lincoln Drive, Phila. Architect, Frank Seeburger, Pennsylvania Building. Owners, E. A. & B. L. Carroll, 615 Lincoln Drive, Germantown, Phila. Stone, brick and plaster, two and one-half stories, shingle roof, tile and slate roofs, hot water heating, electric lighting, hardwood floors. Plans about completed. Owners will soon take sub-bids.

**Cattle Building**, Syracuse, N. Y. Architects, Green & Wicks, Buffalo, N. Y. Owners, New York State Fair, Syracuse, N. Y. Brick, one and two stories, 181x286 feet, composition roof, electric lighting, tile roof. Architects taking bids, due April 18. J. E. & A. L. Pennock, Land Title Building, are figuring.

**Hospital**, Washington, D. C. Architect, W. J. Palmer, Washington, D. C. Owner, Sibley Hospital, Washington, D. C. Stone and brick, six stories, 52x134 feet, electric light, steam heating, slag roof, hardwood floors. Architect taking bids, due April 11. James G. Doak & Co., Crozer Building, are figuring.

**Car Barn (alt. and add.)**, Thirty-first and Susquehanna avenue. Architect, private plans. Owners Philadelphia Rapid Transit Company, Eighth and Dauphin streets. Brick, one story, slag roof. Owners taking bids, due April 4. The following are figuring: F. W. Van Loon, Denckla Building; A. R. Raff, 1635 Thompson street; H. E. Batton, Tenth and Sansom streets; Graham Campion Company, Heed Building; Chas. McCaul Company, Tenth and Sansom streets; F. A. Havens & Co., 845 North Nineteenth street; E. E. Hollenbach, Fifteenth and Race streets; John W. Emery, 1524 Sansom street.

**Loft Building**, 504-16 Locust street. Architects, Stearns & Castor, Stephen Girard Build-

ing. Owners, The Locust Realty Company, care of architects. Concrete, fireproof, six stories, 47x115 feet, slag roof, electric lighting, steam heating. Architects taking revised bids, due April 5. The following are figuring: A. R. Raff, 1635 Thompson street; James G. Doak & Co., Crozer Building; H. E. Batton, Tenth and Sansom streets; Cramp & Co., Denckla Building; J. B. Gill & Co., Heed Building; H. C. Rea Company, 711 North Fifteenth street; J. W. Emery, 1524 Sansom street; Turner Forman Company, 1314 Arch street.

**Factory (add.)**, 811-815 Fairmount avenue. Architect, H. G. Hammer Brass Company, 803 North Seventeenth street. Owners, Sheiler-Hemsler Brass Company, on premises. Brick, three stories, 90x30 feet, slag roof, electric lighting. Architect taking bids, due April 3. B. P. Evans & Co., Thirteenth and Wallace streets, are figuring.

**Bank Building**, West Chester, Pa., \$40,000. Architects, Baker & Dallett, 1609 Chestnut street. Owners, The First National Bank of West Chester, Pa. Marble, brick, stone, one story, 36x112 feet, slag roof, electric lighting, steam heating. Architects taking bids, due April 5. The following are figuring: P. E. Jefferies, E. R. Balwin, Smedley & Hoopes, J. M. Burns, H. W. Farra, all of West Chester, Pa.

**Post Office (alt. and add.)**, Williamsport, Pa. Architect, J. Knox Taylor, Washington, D. C. Owner, U. S. Government, Treasury Department, Washington, D. C. Alteration and addition, stone, two stories, electric lighting, steam heating. Owners taking bids, due April 20. F. W. Van Loon, Denckla Building, are figuring.

**Post Office (alt. and add.)**, Camden, N. J. Architect, James Knox Taylor, Washington, D. C. Owners, U. S. Government, Treasury

Department, Washington, D. C. Stone, two stories. Owners taking bids, due April 8. F. W. Van Loon, Denckla Building, is figuring.

**Residence**, Radnor, Pa. Architects, Duh-ring, Okie & Zieghler, Bailey Building. Owner, Charles D. Hart, care of architect. Plans in progress. To early for details.

**Sunday School**, Orthodox and Franklin street, Frankford. Architects, Stearns & Castor, Stephen Girard Building. Owners, The Central Methodist Episcopal Church, on premises. Stone, one story. Plans in progress. To early for details.

**Residence**, Wayne avenue and Horter sts., Germantown. Architect, Guy King, 1513 Walnut street. Owner, E. T. Flood, care of architect. Stone, two and one-half stories, 30x40 feet, shingle roof, electric lighting, vacuum heat, mardwood floors. Plans in progress.

**Pavilion**, near Pottstown, Pa. Architects, Lachman & Murphy, Witherspoon Building. Owners, Ringing Rock Park, Pottstown, Pa. Concrete and iron, one story and balcony,

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**Residence**, Haverford, Pa. Architect, D. Knickerbacker Boyd, Fifteenth and Walnut streets. Owner, A. A. Hirst, 211 South Sixth street. Stone, two and one-half stories. Plans in progress.

**Residence**, Georgetown, Md. Architect, E. Allen Wilson, 1208 Chestnut street. Owner, Andrew Marvel, Georgetown, Md. Frame, two and one-half stories. Shingle roof. Plans in progress.

**Building (fire damage)**, 926-28 Market street. Architects, Stearns & Castor, Stephen Girard Building. Owners, Berg & Berg, Tenth and Market streets. Brick, steel, hollow tile, fireproof, seven stories, 145x92 feet. Slag and tin roof, steam heating, electric lighting. Architects taking bids, due April 5th. The following are figuring: H. E. Baton, Tenth and Sansom streets; A. R. Raff, 1635 Thompson street; J. W. Emery, 1524 Sansom street; Doak & Co., Crozer Building; Cramp & Co., Denckla Building; Smith Hardican Co., 1606 Cherry street; J. N. Gill & Co., Heed Building.

**Residence**, Pottstown, Pa. Architects, Lachman & Murphy, Witherspoon Building. Owner, J. C. Barlow, Pottstown, Pa. Brick, three stories, 50x20 feet. Plans in progress. Too early for details.

**Residence**, Rector street, Wissahickon, Pa. Architect, G. S. Idell, Harrison Building. Owner's name withheld. Brick and stucco, two and one-half stories, 25x30 feet. Shingle roof. Plans in progress.

**Residence (alts.)**, 148 West Dauphin street. Architects, Stuckert & Sloan, Crozer Building. Owner, Joseph Wasserman, care of architect. Brick, three stories, slag roof, electric lighting. Architects taking bids, due April 4th. E. E. Hollenback, Fifteenth and Race streets, and William R. Dougherty, 1608 Sansom street, are figuring.

**Residences (2)** Frankford avenue and Church street, \$3,000 each. Architects, Lachman & Murphy, Witherspoon Building. Owner, M. Houghton, care of Gain & Egan, Frankford avenue and Church street. Brick, three stories, 16x50 feet. Slate roof, electric lighting, hot water heating. Owner will take bids in a few days.

**Building (alt. and add.)**, Nineteenth and Arch streets. Architect, Charles E. Oelschlagger, Harrison Building. Owner, Charles S. Bair, on premises. Brick, three and four stories additional, 22x90 feet. Slag and slate roof, steam heating, electric lighting and elevator reserved. Architect taking bids, due April 4th. The following are figuring: F. A. Havens & Co., 845 North Nineteenth street; Stacey Reeves & Sons, 1011 Filbert street; J. P. Thompson, 1432 South Penn Square; Strode & Son, 12 North Nineteenth street.

**Residence**, Villanova, Pa. Architect and builder, E. E. Hollenback, Fifteenth and Race streets. Owner's name withheld. Stone, two and one-half stories, 44x50 feet. Hot water heating, electric lighting, shingle roof. E. E. Hollenback, Fifteenth and Race streets, taking sub-bids.

**Church**, Fortieth and Powelton avenue. Architect, A. A. Ritcher, Lebanon, Pa. Owners, St. Stephen's Evangelical Lutheran Church, Fortieth and Powelton avenue. Stone, one story and basement, 75x100 feet. Slate roof, electric lighting, steam heating. Owners

taking revised bids, due April 8th. The following are figuring: Alex. Chamberly, 243 South Tenth street; Burd P. Evans & Co., Thirteenth and Wallace streets; T. C. Trafford, 1613 Sansom street; A. Whitehead, 1624 Latimer street.

**Residence**, Ambler Highlands, Pa. Architects, Schermerhorn & Phillips, 430 Walnut street. Owner, F. B. Hibshman, Wyndmoor, Pa. Stone and frame, two and one-half stories, shingle roof, hot water heating, electric lighting. Architects taking bids, due April 10th. The following are figuring: Enoch James, Fort Washington, Pa.; William Camburn, Ambler, Pa.; William E. Evans, Ambler, Pa.; Henry Specht, Willow Grove, Pa.; David McCork, Flourtown, Pa.

**Grammar School**, Ardmore, Pa., \$60,000. Architects, Furness Evans & Co., Provident Building. Owners, Lower Merion Township, of Pennsylvania. Stone, two stories and basement, 12 class rooms. Steam heating, slate roof, electric lighting. Plans about completed. Architects will take bids in about 10 days.

**Provident Building (alts.)**, Fourth and Chestnut streets. Architects, Furness Evans & Co., Provident Building. Owners, Provident Life and Insurance Company, Fourth and Chestnut streets. Consists of interior alterations. Architects taking sub-bids, due April 4th.

**Cottage**, Bay Head, N. J. Architects, Brockie & Hastings, 328 Chestnut street. Owner, David P. Leas, Esq., 400 South Fortieth street. Terra cotta (hollow), frame and rough cast, two and one-half stories, 50x55 feet. Electric lighting, shingle roof, hot air heating. Architects taking bids, due April 8th. F. L. Hoover & Sons, Builders' Exchange, are figuring.

**School (add.)**, Norristown, Pa. Architect, O. Randolph Parry, 1723 Chestnut street. Owners, Norristown School District, Norristown, Pa. Consists of large addition to school building. Architect taking bids, due April 22nd at 10 o'clock. The following are figuring: Frank R. Heavener, William Schoffner, Mike Lawler, Jacob Croff, all of Norristown, Pa. Architect also taking sub-bids.

**Residence**, Wilmington, Del. Architect, Charles B. Keen, Bailey Building. Owner, Dr. Joseph Whales, Wilmington, Del. Sayre & Fisher brick, two and one-half stories, 50x40 feet. Shingle roof, hardwood floors. Electrical work, plumbing and heating reserved. Architect taking bids, due April 4th. The following are figuring: George L. Croll, Radnor, Pa.; M. Howard May, Wilmington, Del.; W. S. Haddock & Co., Witherspoon Building; A. S. Reed & Bro., Wilmington; J. A. Bader & Co., Wilmington, Del.

### WILMINGTON, DEL.

**Club House**, 810 King street, Wilmington, Del. Architect, E. L. Rice, Wilmington, Del. Owners, Young Men's Republican Club, on premises. Brick, three stories, 32x139 feet. Electric lighting, vapor heating, slag roof. Plans completed. Architect ready for bids.

**Club House**, Beach and Vanburen streets, Wilmington, Del., \$20,000. Architects, J. & M. Kennedy, Ford Building, Wilmington, Del. Owners, Eleventh Ward Democratic Legion, Wilmington, Del. Brick and stone, three



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**Hospital, Hope Farm, Del.** Architects, J. & M. Kennedy, Ford Building. Owners, United Catholic Society of Wilmington, Del., care of architect. Frame, two stories, 50x125 feet. Electric lighting, steam heating, shingle roof. Architects taking bids, due April 8th. The following are figuring: J. A. Bader, J. Haley, A. S. Reed, Charles Dougherty, all of Wilmington, Del.

**Residences (10), Brown and Oak streets, Wilmington, Del., \$30,000.** Architects, J. & M. Kennedy, Ford Building, Wilmington, Del. Owners, West End Improvement Company, on premises. Brick, three stories, 30x40 feet. Electric lighting, hot water heating, slate and tin roof, hardwood floor. Architects taking bids, due April 18. The following are figuring: J. A. Bader, J. Haley, A. S. Reed, J. Reardon, all of Wilmington, Del.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Church, Llanerch, Pa.** Architect, George Nattress, Twelfth and Wharton streets. Owners, Llanerch Presbyterian Church. Stone, one story and basement, 33x66 feet, slate roof, electric lighting, steam heating. Contract awarded to Worrell & Waters, Rosemont, Pa.

**Digestor Building, Atlantic City, N. J., \$22,000.** Architect, W. H. Gibson, Harrison Building, Phila. Owners, Atlantic City Product Company, on premises. Concrete and steel and brick, one story, 65x97 feet, iron and slag roof, electric lighting. Contract awarded to E. L. Bader, Atlantic City, N. J.

**Residence, Brookline, Pa., \$7,000.** Architect, private plans. Stone, two and one-half stories, 30x40 feet. Contract awarded to Standard Construction Company, Drexel Building.

**Residence (alt. and add.), Camden, N. J., \$7,000.** Architect, Benjamin H. Lackey, 1433 Chestnut street. Owner, W. C. Wood, Camden, N. J. Terra cotta and tile, three stories, 20x40 feet, slag roof, electric lighting, steam heating. Contract awarded to Boyer & Lewis, Camden, N. J.

**Restaurant (alt. and add.), Nineteenth and Market streets, \$4,500.** Architect, private plans. Owners, H. A. Bahls, on premises. Consists of interior alterations. Contract awarded to Stacey Reeves & Sons, 1611 Filbert street.

**Y. M. C. A., Atlantic City, N. J., \$87,000.** Architect, Horace Trumbauer, Land Title Building. Owners, Y. M. C. A., Atlantic City, N. J. Brick, stone, terra cotta, five stories, 54x93 feet, hot water heating, hardwood floors, electric light. Contract awarded to Roydhouse, Arey Company, Fidelity Building.

**Shirt Factory, 134th street and Walnut avenue, New York City.** Architects, Ballinger & Perrott, 1211 Arch street. Owners, Philips Jones Company, 502 Broadway, New York. Brick and concrete, six stories, 96x253 feet, slag roof, electric lighting, steam heating. Architects will sub-let all work.

**Power House (add.), Comley and Milnor street.** Architect, Albert C. Wood, Pennsylvania Building. Owners, Quaker City Rubber Company, 629 Market street. Brick, one story, 10x53 feet addition, slag roof. Contract awarded to George Hogg, 1634 Sansom street.

**Residence, St. Martins, Phila.** Architect,

George U. Rehffuss, 1524 Chestnut street. Owner, A. C. Holmes, care of architect. Brick, and plaster, two and one-half stories, 60x56 feet, shingle roof, electric lighting, hot air heating. Contract awarded to F. B. Davis, 35 South Seventeenth street.

**Bank Building (alt. and add.), Second and Girard avenue.** Architect, George U. Rehffuss, 1524 Chestnut street. Owners, Eighth National Bank, on premises. Brick and stucco, one story, 19x37 feet, slag roof, electric light, steam heating. Contract awarded to Irwin & Leighton, 126 North Twelfth street.

**Stable and Warehouse, 506-08 North Orianna street.** Architect, C. W. Lueder, 475 North Fourth street. Owner, Louis Hilleman, on premises. Brick, two stories, 40x72 feet, electric lighting, slag roof, steam heating. Contract awarded to Koelle, Speth & Co., Twenty-sixth and Oxford streets.

**Residences (2), Chestnut street, \$15,000 each.** Architect, Frank Seeburger, Pennsylvania Building. Owner, William H. Wilson, 1318 Chestnut street. Stone and brick, two and one-half stories, slate roof, electric light, hardwood floors, hot water heating. Contract awarded to William J. Gruhler & Co., 219 High street, Germantown.

**Stock House (alt. and add.), Easton, Pa.** Architects, Peuckert & Wunder, 310 Chestnut street. Owner, W. Kuobler's Sons, Easton, Pa. Brick, concrete and steel, fireproof, five stories. Contract awarded to A. Bechtel, Easton, Pa.

**Factory, Delaware avenue and Cooper street, Camden, N. J.** Architects, Ballinger & Perrott, 1211 Arch street. Owners, Esterbrook Steel Pen Company, Camden, N. J. Contract awarded to Irwin & Leighton, 126 North Twelfth street.

**Residence (alt. and add.), Radnor, Pa., \$12,000.** Architect, E. H. Fetterolf, 1524 Chestnut street. Owner, John S. C. Harvey, Radnor, Pa. Stone and frame. Contract awarded to M. N. Croll, Radnor, Pa.

**Residence, Atlantic City, N. J., \$5,000.** Architect, J. P. Kluges, Jr., Witherspoon Building. Owner, J. V. Alteneder, Philadelphia, Pa., care of architect. Frame, two and one-half stories, 21x38 feet, slate roof, electric light. Contract awarded to Bowen Bros., Atlantic City, N. J.

**Residence, Moorestown, N. J.** Architects, Price & McLanahan, Sixteenth and Walnut

streets. Owner, F. Wallace Armstrong, Moorestown, N. J. Brick, hollow tile, stucco, 25x70 feet, slate roof, steam heating, hardwood floors. Contract awarded to S. L. Mains, Moorestown, N. J.

**Residence, Radnor, Pa.** Architect, Charles A. Platt, 11 East Twenty-fourth street, New York City. Owner, Frank T. Griswald, 333 Chestnut street. Frame and plaster, three stories, 30x74 feet, hardwood floors, electric lighting, steam heating, slate roof. Contract awarded to J. S. Cornell & Son, Land Title Building.

**Apartment House, Fifteenth and Poplar streets.** Architect, LeRoy Rothschild, 410 Walnut street. Owner, E. P. Chapell, 1640 Germantown avenue. Sayer & Fisher brick, T. O. three stories, slag roof, electric lighting, steam heating. M. H. McCloskey & Co., 608 Chestnut street, submitted the lowest bid.

**Boiler House, Reading, Pa.** Architect, Peuckert & Wunder, 310 Chestnut street. Owners, Reading Brewing Company, Reading, Pa. Brick and concrete and steel, one story, 60x50 feet. Contract awarded to I. H. Focht, Reading, Pa.

**Factory Buildings, 4, 5, 6, 7, 8 Erie avenue and Sepviva street.** Architects, William Steel & Sons, 1600 Arch street. Owner, Isaac A. Sheppard Company, on premises. Brick and concrete, gray kitting and hard red face brick, slag roof, electric lighting, steam heating. Contract awarded to H. Brocklehurst, 512 West Norris street.

**Residence, Westview avenue, east of Wissahickon avenue, \$14,850.** Architect, George T. Pearson, 427 Walnut street. Owner, M. A. Harrington, 160 West Hottter street. Stone, two and one-half stories, 62x48 feet, slate roof, electric light. Contract awarded to John E. Walt, 204 East Willow Grove avenue.

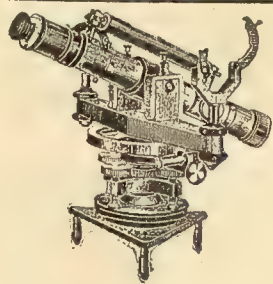
**Cannery, Millville Turnpike, Bridgeton, N. J.** Architects, Sauer & Hahn, 1119 Chestnut street. Owners, the Jewish Agricultural and Industrial Aid Society, care of architects (Walter Baker Cannery). Frame buildings (3), one story, 72x90 feet, 48x100 feet, 27x50 feet. Contract awarded to H. H. Hankin & Bro., Bridgeton, N. J.

**Residence, Bethayres, Pa.** Architect, Bart Tourison, Land Title Building. Owner, Mrs. Mary W. Keim, care of architect. Stone, two

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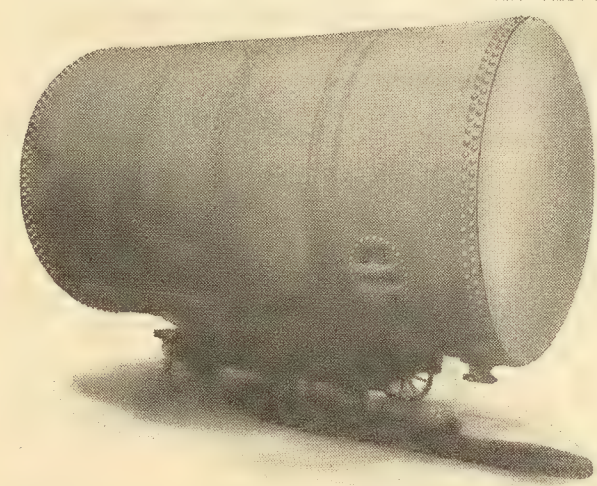
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and one-half stories, 30x48 feet. Slate roof, electric lighting. Contract awarded to Christy & Son, Allen's Lane, Pa.

**Residence, Langhorne, Pa.** Architect, C. E. Schernerhorn, 430 Walnut street. Owner, J. Hibbs Buckman, Franklin Bank Building. Hollow tile and plaster, three stories, 42x36 feet. Green slate roof, hot water heating, electric lighting, oak parquet floors. Contract awarded to Cyrus E. Smith, Hulmeville, Pa.

**Cafe and Saloon (remodeling), 19 North Eleventh street.** Architect, O. E. Schernerhorn, 430 Walnut street. Owner, M. D. Burke, 9 North Eleventh street. Brick, four stories, electric lighting, steam heating, consists of remodeling and new bulk windows. Complete remodeling. Contract awarded to A. R. Raff, 1635 Thompson street.

**Club House (alt. and add.), Overbrook, Pa.** Architect, George U. Rehfuess, 1524 Chestnut street. Owners, Overbrook Golf Club, Overbrook, Pa. Consists of interior alterations, new showers and plumbing fixtures. Contract awarded to A. L. Fretz & Son, 1222 Chancellor street.

**Warehouse, Rosslyn, Va.** Architects, Balinger & Perrot, 1211 Arch street. Owners, Hires Turner Glass Company, 230 South Thirtieth street. Brick, one story, 150x208 feet. Slag roof, electric lighting, steam heating. Contract awarded to tSacey Reeves & Sons, 1611 Filbert street.

**Hall, Villa Nova, Pa., \$35,000.** Architect, George F. Dobbin, 7815 Germantown avenue. Owners, Villa Nova College, Villa Nova, Pa. Stone, three stories, 99x47 feet, electric light, steam heat, slate roof. Contract awarded to James J. Dobbins & Bros., 7815 Germantown avenue, Chestnut Hill, Pa.

**Church, Ambler, Pa., \$30,000.** Architects, Lachman & Murphy, Witherspoon Building. Owners, First Methodist Episcopal Congregation, Ambler, Pa., E. C. Scott, 533 Pennis avenue, Ambler, Pa. Stone, one story, slate roof, electric lighting, steam heat. Contract awarded to F. H. Keiser, Pottstown, Pa.

**Residence (alt. and add.), 2030 Spring Garden street.** Architects, Magaziner & Potter, 137 South Fifth street. Owner, Mrs. F. A. Fleicher, care of architects. Interior alterations. Contract awarded to Sax & Abbott Construction Company, Hale Building.

**Factory, Philip and Green streets, Germantown, Philadelphia, \$30,000.** Architects, Furness Evans & Co., Provident Building. Owners, Valentine H. Smith Company, on premises. Brick, five stories, 30x72 feet. Electric lighting, steam heating, slag roof. Contract awarded to Stewart Brothers, 2526 North Orkney street.

**Hospital (alt. and add.), Pottsville, Pa.** Architects, Harris & Richards, Drexel Building. Owners, Pottsville Hospital, Pottsville, Pa. Brick, two stories, slate roof, electric lighting, steam heating. Contract awarded to Clarence Messersmith, Pottsville, Pa.

## WILMINGTON, DEL.

**Residence, Delaware City, \$7,000.** Architect, R. C. Tindall, Equitable Building, Wilmington, Del. Owner, Mrs. Charles Jefferson, Delaware City, Del. Frame, two and one-half stories, 30x60 feet. Shingle roof, electric lighting, steam heating, hardwood floors. Contract awarded to W. J. Thompson, Second and Addison streets, Wilmington, Del.

**Residences (4), Twenty-fourth and Madison streets, Wilmington, Del., \$12,000.** Architect, R. C. Tindall, Equitable Building, Wilmington, Del. Owner, Mrs. L. E. Tindall, care of architect. Brick, two stories, 23x30 feet. Electric lighting, hot water heating, slate and slag roof. Contract awarded to W. J. Thompson, Second and Addison streets, Wilmington, Del.

**Residence, Cambridge, Md., \$16,000.** Architect, L. W. Crawford, Wilmington, Del. Owner, Albanus Phillips, Cambridge, Md. Brick and frame, three stories, 35x60 feet. Electric lighting, steam heating, slate roof, hardwood floors. Contract awarded to J. M. Thompson, 1112 Poplar street, Wilmington, Del.

## Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

William Cromphy (O), Foulkrod street, Frankford. Remier & Byers (O), Hawthorne and Frankford avenue. Cost \$3,400. One two-story dwelling, brick, 16x58 feet, Herbert and Large street.

J. R. McDevitt (O), 232 East Horter street. E. A. Heffner (C), Sixtieth and Washington lane. Cost, \$4,200. Two two-story brick dwellings, 16x43 feet, 242-44 East Horter street.

C. Dear (O), 3518 Kensington avenue. Cost, \$3,600. Three two-story brick dwellings, 14x38 feet.

George C. Boldt (O), Broad and Walnut streets. George A. Fuller Company (C), Morris Building. Cost, \$850,000. Brick, eleven stories, 54x54 feet, Broad and Walnut streets.

D. J. Ragan (O), 1608 North Seventeenth street. C. G. Land (C), Twenty-eighth and Cambria streets. Cost, \$61,000. Nineteen dwellings, brick, two stories, 16x46 feet, Twenty-fifth and Somerset streets.

George Steinbock (O), 1522 North Twenty-first street. Cost, \$4,000. Dwelling, brick, two stories, 17x41 feet, 5153 West Willow Grove avenue.

Louis Hillemann (O), 412 Orianna street. Koelle Speth & Co. (C), Twenty-sixth and Oxford streets. Cost, \$10,000. Stable, three stories, brick, 36x70 feet, 506 Orianna street. M. A. Ferris (O), 4172 Ridge avenue. W.

H. Eddleman (C), 453 Green lane. Cost, \$2,500. Stable, brick, 40x50 feet, one story.

E. J. Spangler Company (O), 1239 North Howard street. J. T. McCorkell (C), 1955 North Fifth street. Cost \$12,700. Factory, three stories, brick, 49x56 feet, 1239 North Howard street.

Fox & Armstrong (O), 1308 South Sixteenth street. Cost, \$43,200. Twenty-six dwellings, brick, two stories, 16x30 feet, Fifty-ninth and Washington avenue.

John Dear (O), 4544 Greene street. Cost, \$11,000. Five dwellings, brick, two stories, 15x30 feet. Shedakein and Wakefield streets.

John W. Shisler (O), 2300 South Eleventh street. Cost, \$3,000. Two dwellings, brick, two stories, 16x36 feet, Front and Durfor streets. Cost, \$27,500. Twenty-five dwellings, brick, two stories, 16x36 feet. Cost, \$27,500. Twenty-five dwellings, brick, two stories, 16x36 feet. Cost, \$3,600. Two stores and dwelling.

Thomas Janney Company (O), 315 North Third street. Roydhouse Arey Company (C), Fidelity Building. Cost, \$1,500. Garage, brick, one story, 31x22 feet, Delaware avenue and Vankirk street.

Michael Och (O), Eighty-seventh and Laycock avenue. Cost, \$7,200. Nine dwellings, 14x40 feet, Seventy-ninth and Ewing avenue. Cost, \$1,200. Store and dwelling.



## Architectural Notes.

The forthcoming competitions for the prizes of Rome in architecture, sculpture and painting at the American Academy in Rome were announced early this month, and require that all persons desiring to compete for these fellowships should file the application form, that can be obtained of the secretary, Mr. Francis D. Millet, 50 East Forty-first street, New York City, not later than March 15—together with any letters of reference or other documents that they may desire to submit. The value of these fellowships is \$1,000 a year for three years in each department, and the competitions are open to all citizens of the United States who comply with the regulations of the academy. In architecture, the candidates are required to be graduates of architectural schools accepted by the academy, graduates of a college or university having certificates of at least two years' study in such architectural schools, or pupils of the first class of the Ecole des Beaux-Arts who have obtained at least three values in that class.

\* \* \*

At a recent meeting of the architects of South Carolina there was organized the South Carolina Association of Architects, with a membership of thirty-four. Constitution and by-laws were adopted, being practically all copied from the constitution and by-laws of the American Institute of Architects, including the Principles of Professional Practice and Canons of Ethics and Competition Code.

After the organization had been perfected the following officers were elected: President, Charles C. Wilson; vice-president, A. W. Todd; secretary and treasurer, A. W. Hamby.

It was suggested at this meeting that in order to make the organization most effective and influential it should at the earliest date possible be made a chapter of the institute, and a number of members present expressed their intention of making application at an early date for institute membership.

\* \* \*

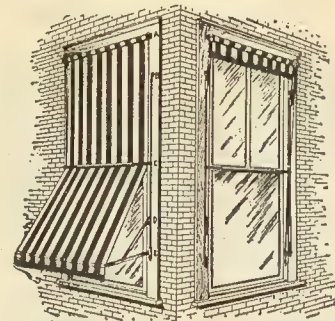
Let us stop for a moment to consider that queer imitative faculty in the architect that no where comes out more conspicuously than in our monthly review of the current periodical press, comments the "Architectural Review." Year after year, month after month, within the year following the publication of a novel architectural scheme or detail of treatment, the plates in the magazines indicate with what inevitable avidity that idea has been seized upon and utilized throughout widely scattered sections of the country.

\* \* \*

For instance, some years ago, McKim, Mead & White, in the Colony Club, obtained a certain textural effect by laying up considerable sections of the wall-surface with brick headers, so disposed that the horizontal and perpendicular joints were left entirely unbroken, thus destroying all structural expression of the "bond" upon which the development of brick architecture has from the beginning been based. A little later, Mr. Magonigle designed a picturesque plaster house near New York, on which the shingles were woven in overlapping waving courses on the roof. Both these experiments were soon after found reproduced in numerous buildings all over the country; and almost immediately examples of the species of imitation referred to began to flow into the architectural magazines. It was, therefore, to be expected that the influence of Calvary Church at Pittsburgh—where in the designers had found inspiration in a somewhat severe and definitely archaeological type of church design—would soon begin to be traced in the church architecture of this country, and already the architectural magazines have begun to publish church structures whose design expresses the results of that influence.

\* \* \*

At about the time the Pittsburgh church was completed Mr. Cram was quoted as stating that this building more nearly expressed his ideal of a church edifice than any with which his firm had, up to that time, been identified. If such is the case, and if this church is to influence ecclesiastical design in America, it is to be feared that unthinking reproductions of this example may result in delaying instead of assisting the development of our indigenous church architecture; for this particular design, more emphatically than almost any other emanating from the same designers, is lacking in many of those elements of modernity which alone justify the architectural expression of a structure in any style, in any country, at the present day. In the modern sense, Calvary is exteriorly cold, uninspiring, and, in so far as it is devotional at all, it is devotional in an ascetic and monastic way, in entire antipathy to modern civilization, and to the conditions existing in the majority of religious bodies. Its bareness, its austerity, its undecorated, unbroken great window-openings, render it singularly lacking in appeal to the imagination. If the church, either as an institution or as a structure, fails to appeal to the imagination, by just so much it fails in its possible devotional or inspira-



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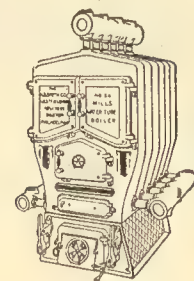
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the intention of sending three representatives to this country to study American museum and library buildings. It appears that Munich is about to erect a new library building and is interested in learning how such buildings are planned here in the United States.

\* \* \*

The architects of Akron, Ohio, have organized under the name of the Akron Architectural Club with the following officers: President, M. E. Harpster; Vice-President, H. A. Brooker; Secretary-Treasurer, M. C. Peck.

\* \* \*

A recent letter from Mr. R. A. Cram to the "New York Times," taking exception to a reference made in that paper to Mr. Cram as "the architect of the Cathedral of St. John the Divine," sheds so much that is illuminating on the real status of this more or less complicated architectural cause celebre that we are tempted to quote Mr. Cram's letter in full:

"To the Editor of 'The New York Times':

"You printed on Friday, March 1, a view of the proposed synod house for the Cathedral of St. John the Divine, together with certain expository reference thereto. Some of these are inaccurate.

"I am now the architect of the synod house, which is in the hands of the firm of Cram, Goodhue & Ferguson, of which I am only one member. I did not displace Mr. LaFarge as architect to the Cathedral last June. Mr. LaFarge having completed all the work provided for under his contract with the Trustees, there is, properly speaking, no 'architect for the Cathedral.' A number of architects are engaged on the Cathedral itself, its decoration and its allied and adjacent buildings. These comprise at the present time, in addition to Mr. LaFarge himself, Mr. Henry Vaughan, Messrs. Carrere & Hastings, Messrs. Walter Cook and Winthrop A. Welch, Messrs. Warren & Wetmore, and Messrs. Cram, Goodhue & Ferguson. I myself am consulting architect to the Cathedral, and have a general supervision over the work of the several architects employed thereon, but I am not in any sense whatever 'architect of the Cathedral.'

"Several of those who are at present carrying out work at Cathedral Heights for the Trustees were appointed before Mr. LaFarge's contract was completed, as, for example, Mr. Vaughan and Messrs. Cook & Welch; the others have been appointed to do certain specific work since the completion of the original contract. The fact that a firm, or any given architect, is at present engaged on such specific work at the Cathedral does not make such architect or firm in any sense 'architect to the Cathedral.'

"I desire finally to emphasize most strongly the fact that I have not 'displaced C. Grant LaFarge, designer of the Cathedral, as its architect, last June. I accepted, and now hold, an entirely new office, which is wholly and exclusively that of 'consulting architect to the Cathedral.'"

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tional power in influencing humanity. Such a structure may be as archaeologically perfect as can be conceived, and yet, by that quality, all the more completely fail in the fulfilment of its purposes.

\* \* \*

In reproducing architectural forms of a by-gone age, there is danger of overlooking the fact that, in the mediaeval period, color was

a large factor in the life of the community, and was given notable prominence in most important buildings of the time, including those of a devotional character. Whatever may prove to be the verdict of posterity, or the judgment of the architectural profession itself to-day, there can be little doubt that popular preference, at the present time, is for a style of church design more nearly like that expressed in the chapel at West Point than in the type of Calvary. Both Liverpool Cathedral and West Point make a romantic appeal and possess a modern facility of design that are not so evident in the Pittsburgh example; and both manifest, particularly in the depiction of appropriate detail, those individual forms that again and again evidence the modern designer and the modern workman. These factors must be recognizable in the architecture of to-day if it is to be considered truly great in any one of the ways in which the arts based on precedent and history have always been defined.

\* \* \*

According to advices received from abroad the architects of the United States are about to be paid a unique compliment. These advices credit the German Museum for National Science and Technik at Munich with



# Trade News and Gossip

Cullings from the Week's News, with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

\*\*Senator Wagner has introduced a bill authorizing the Mayor of the city of New York to appoint a commission of not more than nine or less than six persons to investigate the subject of regulating and restricting the height and size of buildings hereafter to be built or altered in New York City. If the commission decides such a plan is desirable it is to report back to the Mayor within a year what it considers the best methods for carrying it out. The commission is also to decide whether the city should be divided into districts so that the size and height of buildings may be regulated on a different basis, and it is to hold public hearings in all the boroughs of the city in order to get the subject before the taxpayers.

\*\*Austria, following the example set by America, will adopt an historical villa for use as a School of Art. Permission has been given, it is stated in press reports, by Prince Francis Ferdinand, who owns the Villa D'Este, at Tivoli, near Rome, that it should be used for an academy of art. Every visitor to Rome familiar with this historic structure will learn with satisfaction that it will be used for so dignified a purpose. Constructed about 1550, by the Cardinal D'Este, at patron of the arts, he took care that it should embody the best of the architecture of the period, and on its completion placed within it the rarest statuary and paintings of his collection. Ligorio, of Naples, was the architect of the building. While the villa of to-day has been depleted of its greatest art treasures, it is still pleasing to the eye and is annually visited by many tourists as one of the "show places" of Italy.

\*\*The new ordinance of the Milwaukee Building Code Commission, submitted to the Common Council, provides for a height limit to buildings of 225 feet, or approximately eighteen stories, providing the street on which they face is at least 80 feet wide. The present restriction is twice the width of the street. It is further provided that all parts of the building must be of fireproof construction.

\*\*Engineers of prominence connected with the American Society of Civil Engineers were the guests on Friday and Saturday of Director Cooke, of the Philadelphia Department of Public Works. The visitors dined with Director Cooke at the University Club on Friday evening and met Mayor Blankenburg later at the Union League. Saturday was spent in inspecting Philadelphia's street system and paving and in visiting points of interest. Among the guests were: Cyrus C. Miller, President of the Borough of the Bronx; Arthur H. Blanchard, professor of highway engineering, Columbia University, New York; Nelson P. Lewis, chief engineer, Board of Estimates and Apportionment, New York; George W. Tillson, consulting en-

gineer to the Borough of Brooklyn, N. Y.; Paul J. Sargent, Assistant Director of Public Roads, Department of Agriculture, Washington, D. C.; W. W. Crosby, Chief Engineer, Maryland State Roads, Baltimore, Md.; J. L. Fetherson, Superintendent of the Bureau of Street Cleaning, Borough of Richmond, New Brighton, N. Y.; Benjamin F. Welson, Examining Engineer to the Commissioner of Accounts, New York City; Frank M. Williams, engineer in charge, duPont road, Wilmington, Del., and formerly Chief Engineer of Roads, New York State, under Governor Hughes; Captain Mark Brooke, U. S. A., Engineer Commissioner of the District of Columbia; James Reed, Jr., Assistant Director, Department of Public Works; William H. Connell, Chief of the Bureau of Highways; George S. Webster, Chief Engineer, Bureau of Surveys; Fred C. Dunlap, Chief, Bureau of Water; Frank L. Neall, Assistant Chief in Charge of Division of Street Cleaning; W. Purves Taylor, Assistant Engineer in Charge of Testing Laboratory, Bureau of Surveys; William Easby, Jr., professor of municipal engineering, University of Pennsylvania.

\*\*The bill before the New York Legislature, providing for a canal across Long Island from Jamaica Bay to Flushing Creek, is said to stand a good chance of being passed. The proposed canal is estimated to cost \$12,000,000 to \$15,000,000.

\*\*A telautograph in each of the 1,000 sleeping rooms in the Hotel Baltimore, which is to be put up by the New York Central at Madison avenue and Forty-third street, New York City, will enable guests to write out and dispatch orders for breakfast without getting out of bed.

\*\*Ballinger & Perrot, well-known Philadelphia architects, have opened a New York office in the Marbridge Building, at Broadway and Thirty-fourth street. Hugh Kafka, Jr., formerly of the firm of Kafka & Lindemeyer, will be the manager of the new office.

\*\*Ford B. Hanna, for the past five years New York manager for J. E. & A. L. Pennock, Philadelphia, builders, is now the Eastern representative of J. G. Braun, of Chicago, manufacturers of sanitary and fireproof rolled wrought iron door frames. Their New York offices are at 537-541 West Thirty-fifth street.

\*\*The Consolidated Engineering Company, Chicago, Ill., held a convention of its engineering and sales forces at the Great Northern Hotel, Chicago, during the week of January 29. At a dinner at the La Salle Hotel, which brought the convention to a close, President T. J. Leonard and Secretary B. E. Van Auker, of the company, were each presented with a gold fob, the gifts of the employees.

\*\*We are advised that Mr. Charles T. Ingham and Mr. William Boyd, Jr., architects, have formed a co-partnership for the practice of their profession, under the firm name of Ingham & Boyd. They have opened offices in the Vandergrift Building, Pittsburgh, Pa.

\*\*The United Bunch of Sheep, New York Fold, elected the following officers at its recent meeting in New York: Grand ram, William M. Murray; vice-grand ram, Paul Shwab; past grand ram, Thomas H. Hutchinson; shearer, J. W. Gannon; keeper of golden fleece, Henry Stein; shepherd, Frank Silkman; guide, Victor A. Harder, Jr.; herder, J. E. Maire; bell sheep, J. S. Thomas; trustees (for three years), E. C. Molby; (for one year), J. S. Thomas; degree team, Victor A. Harder, Jr., C. B. Yardley, Jr., Frank Silkman, E. C. Molby and J. S. Thomas.

\*\*A catalogue issued by Messrs. Meurer Brothers Company, Brooklyn, N. Y., contains rules, specifications, tables of weights, sizes and quantities required in the construction of a roof covered with metal roofing. It also contains a treatise on natural ventilation with tables of exhausts and flow, wind velocity, pressure, etc. Added to this are a number of well executed half-tones of buildings located both in the East and West. The catalogue is a useful one to have in reference files as it is more helpful than much of the advertising matter published.

\*\*The Greater Pittsburgh Retail Lumber Dealers' Association held its annual banquet and election of officers at the Hotel Henry, Monday evening, March 11. Several interesting subjects were up for discussion, the chief one being the proposition advanced at the recent State Retailers' Convention to have architects standardize their requisitions for lumber. At the meeting the following officers were elected for the ensuing year: President, E. M. Diebold; vice-president, William Simen; secretary, A. C. Rightor; treasurer, Walter Ahlers. A committee was also appointed to boost membership in Allegheny County this year.

\*\*The annual meeting of the Yellow Pine Exchange of New York City was held at the Whitehall Club, preceded by a luncheon. Only routine business was transacted, followed by the annual election, all the old officers and directors being re-elected, as follows: President, Frank B. Haviland, Haviland Lumber Company; vice-president, Albert Hirsch, Hirsch Lumber Company; secretary and treasurer, Robert W. Brownson. Board of Managers—J. H. Burton, J. H. Burton & Co.; Bernard L. Tim, Hirsch Lumber Company; John J. Cooney, Cooney, Eckstein & Co.; Jesse I. Eppinger, Eppinger & Russell, and Robert R. Sizer, Robert R. Sizer & Co.

\*\*McCrum-Howell Company, the vacuum cleaner concern, is in the hands of Federal receivers on proceedings begun in Philadelphia and Chicago in the name of A. E. Pfahler, of Philadelphia, who holds \$310,300 in stock of the concern.

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PHILADELPHIA, PA., APRIL 3, 1912.

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### ARCHITECTURE AND DEMOCRACY

An article in the April number of "The Craftsman" presents a somewhat novel, striking and original conception of the relation architecture may bear to the more vital affairs of life. Commenting upon a beautiful and well-ordered group of buildings designed by Messrs. Albro and Lindeberg for an estate at Rhineback, New York, consisting of a fine old Colonial mansion for the owner flanked and supported by stables, barns, coachman's, gardener's and superintendent's cottages, the writer remarks:

"The illustrations reveal at once the salient characteristics of the buildings; namely, the friendliness and charm of each, its fitness for the particular purpose for which it was erected, and its harmonious relation to the rest of the group and to the landscape. Both in the general plan and in the details of construction are evidenced the wise foresight of the owner and the sympathetic execution of the architects. The same skill and thoughtfulness have gone into the gardener's cottage as into the owner's spacious residence. The stone chimney of the former is as pleasing, in its own unpretentious way, as the classic piper of the fountain against the vine-draped wall of the big house. The coachman's dwelling, with its ample porch and well-placed dormers, the group of stables with their ivy-covered walls, hold the same symmetry, the same satisfying sense of proportion as the stately colonnade and ample wings of the manor, or the solid comfort of the superintendent's house. Although the style is essentially Colonial, nothing practical seems to have been sacrificed to this type. The effect of the main residence, though formal, holds a genuine note of hospitality, unspoiled by the superficial or the insincere. The design of each building, though fresh, spontaneous and appropriate, marked by restraint, and originality is never carried to the point of the eccentric. As to the details of the construction, they are worth studying. The different materials give color and variety and at the same time have been harmoniously combined. The long roof lines, the angle of the gables, the frequent use of dormers, the small-paned windows, the interesting use of solid wood shutters, and the many porches with their opportunities for outdoor life,—all these things are important elements in the successful result of the whole."

Up to this point "The Craftsman" article confines itself to the agreeable level of intelligent architectural appreciation.

Just here creeps in the interesting ethical analysis which lifts it out of and above this outpost of the commonplace.

"The consistent way in which this respect for beauty and propriety has been carried out all through the estate, from the owner's house to the little home of the gatekeeper tucked away among the trees near the river's edge,—this seems to us surprising," continues the writer. "But is not our surprise, in itself, the strongest indictment against present architectural standards? Does it not

show how far we have wandered from the right path if the introduction of beauty and comfort throughout a group of farm buildings fills us with wonder? Evidently, we are so used to seeing presentable farmhouses surrounded by dilapidated and unsightly barns, lovely country homes marred by ugly out-buildings, artistic libraries and drawing rooms on the one hand and dirty kitchens and cow stables on the other, that we have come to take for granted the relegation of manual labor to some untidy background, as a necessary evil, a thing for apology rather than pride. And so when we see these sacred traditions for once disregarded, and so-called 'menial' tasks placed on an even footing and dignity with the more 'refined' work of superintending them, when we find each phase of work put on a basis, not of equality, for they differ, but of mutual helpfulness and friendly co-operation,—then many things are made clear to us which before, in our unthinking adherence to hallowed social doctrines, we had overlooked.

"To recall 'sermons in stones' may sound too much like moralizing; yet here in brick and stucco, stone and shingle, is an inescapable philosophy. In each building and in their relation to each other is reflected a man's attitude toward things and people, his ideas about work and play, his feeling about home and nature, his ideals not only of architecture, but of what is bigger—Life. To have conceived and superintended the general scheme, and to have designed and executed it in such a manner, reflect credit on both owner and builders. For such innate harmony, such feeling of sympathy and co-operation are more than the result of whim or chance; they can only be the expression of careful thought and well-balanced action, of striving after a high and definite architectural ideal.

"From the consideration of this example of architectural harmony, an interesting line of thought suggests itself.

"Since it seems possible to attain, through the right kind of environment, a saner relation between people and their daily work, as well as greater friendliness and justice between capital and labor, employer and employed; since, by the right sort of architecture, it seems possible to readjust, to a great extent, our feeling toward manual tasks, agriculture and other necessary and useful forms of labor which many of us have looked upon for so long with unsympathetic eyes, the question naturally arises, might it not be possible for architecture to aid in the accomplishment of a still greater task? Might it not be possible for us to evolve, along with our gradual ethical progress toward a practical working democracy, a type of architecture which will embody truly democratic principles? For although architecture has interpreted many human ideals, democracy is the one thing which it has thus far never adequately expressed. We may find, of course, isolated examples scattered through various ages and lands; but where is the country whose buildings are essentially



and purely democratic? We know of none. Many have attempted and even actually attained it to a very slight degree, but in every instance we find some trace of caste, some economic or social inequality which, being a false foundation, has undermined eventually in its decay the justice and beauty of the whole national structure.

"As this was true in the old world, so it will be in the new. Here in America, so long as we have in practice, though perhaps not in theory, an undemocratic State and undemocratic ways of thinking, we can never have a democratic form of architecture. And conversely, so long as we have the kind of architecture which stands for social and intellectual snobbishness, commercial inefficiency and cruelty, distorted ideals of life, work and art, we shall never have a truly democratic government. The two influences act and react on each other; the solution lies with both. The aim of the statesman is to help the people to evolve the right kind of environment through political, economic and social freedom; the aim of the architect is to help the people to achieve political, social and economic freedom by giving them the right kind of environment.

"When we have learned to plan and build wisely and beautifully and well, the sort of dwellings, factories, shops and public buildings that are best fitted to our lives and work and recreation; when there is sincerity instead of sham in our homes and their furnishings, and genuine pride instead of snobbishness in our hearts; when the laborer's cottage is as much a home and as beautiful in its own way as the stateliest mansion; when the joy of true craftsmanship shall confer dignity upon the meanest task,—then we may hope for a form of government based on the principles of true democracy, a democracy that will not be merely a political formula rigidly applied, but a natural, spontaneous expression of personal conviction springing straight from the hearts of an earnest people."

The surprising thing, to "The Guide," in this curious application of design to the problem of an enlightened democracy is the plainly audible echo it conveys of Mr. Irving K. Pond's "Art and Individuality." The drift of the underlying idea is, in each case, the same—namely, that American architecture to be truly great must express the spirit of American democracy, must catch and hold, in other words, the essence of American institutions and of American aspirations and ideals.

"I was going to place my order with Blank & Co.," writes an out of town subscriber, "but failing to find their advertisement in your pages, concluded that the firm was of small importance." The firm that bagged the order is comparatively new to the trade, but as a regular advertiser in the home trade paper was able to make an impression that all the accumulated prestige of the older house was unable to overcome. Moral: Advertise.

## SPECIFICATIONS—THEIR USE AND ABUSE.

The writing of a set of specifications, covering a bog job, in terms sufficiently explicit to defy misinterpretation and yet sufficiently definite and precise to insure the use of the material wanted and no other, might be catalogued among the labors of Hercules, so difficult is it to reduce a wide range of not unreasonable demands to simple and easily grasped verbal terms. At the same time there is no denying the fact that specification writing as at present carried on leaves much to be desired in the way of attainable improvement. Language of the ambiguous sort, for example, could be discarded in favor of terms of greater clarity and precision; loose phrases, made permissible by ancient usage, but no longer pertinent or applicable, be abandoned to make way for clauses warranted by present-day conditions and necessary to present-day problems of construction. A general course of pruning and cutting might be instituted to the lasting good of the specification as a strong, binding and common-sense working formula. It is not unreasonable for the contractor, who is asked to bid on a job, to demand specifications which shall define with more or less punctilious exactitude just that which he will be called upon to do. Provisions permitting a dangerously wide latitude in construction are as unfair to the estimator as they are discreditable to the architect. Indeed, the better class of practitioners are distinguished by the scrupulous care which they devote to documents of this kind—a care which it should be the pride of the younger practitioner to emulate. Of course, in a world made up of fallible humans no one seriously expects the impeccably perfect either in specifications or anything else. At the same time it may be expected of documents of the kind that the terms in which they are couched be as plain and as definite as common sense can make them. And it may also and certainly should be expected of them that they be kept free of phrases so meaningless and general as to confuse instead of assisting the bidding estimator. Much of the criticism heard on this head is due to the use by architects of old and obsolete forms in drawing up papers of the kind. Only the other day an instance was brought to the notice of "The Guide," in which a youthful practitioner, following one of the ancient forms, was led to specify a make of elevator that has not been on the market for at least ten years. The mistake was, of course, not a serious one and was easily rectified, but instances nevertheless an indifference to an important feature of the work of an architect which, if persisted in, must in time lead to complications less easily adjusted.

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### Wouldn't Run to Cupids.

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\* \* \*

### Marked "Down."

Mrs. Bilton: "Going to another bargain sale?"

Mrs. Tilton: "Yes. I just heard that half the elevators in Gundle's department store are marked 'down.'"—The Indicator.

\* \* \*

### Carrying It Too Far.

"Scientific management, like any other good thing, may be carried to excess."

The speaker was R. Marriott Thompson, the San Francisco scientific management expert. He continued:

"We scientific managers mustn't go as far as Hussler went.

"Hussler was the proprietor of a tremendous factory where scientific management had reduced the motions of every hand from 800 to 17. Hussler attended a very fashionable wedding one day, a wedding where the ceremony was performed by a Bishop, assisted by a dean and a canon, and in the most impressive part of the rite Hussler, overcome by his scientific management ideas, rushed up to the altar and pushed the bishop and canon rudely back.

"'Here, boys,' he said, 'one's quite enough for a little job like this.'"—

\* \* \*

### Appreciative.

Frank Miles Day, the architect, desired to illustrate at the T Square Club a piece of architectural ignorance.

"Why," he said, "it was as bad as the woman who listened to a lecture on the Cologne cathedral, and at the end shook the lecturer's hand and said: 'O thank you, sir, for your illuminating remarks. I often wondered where our colonial architecture came from. Now, of course, I see it comes from Cologne.'"—Los Angeles Times.

\* \* \*

### The Telephone in China.

In China, when a subscriber rings up the exchange, the operator may be expected to ask:

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### "Anti-Pluvius" Puttyless Skylight:

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### China Bath Room Accessories:

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### Terra Cotta and Faience:

The exhibit of the American Terra Cotta and Ceramic Company, People's Gas Building, Chicago, was one of the notable features of the recent Clay Products Exposition. This company turns out the finest quality of architectural terra cotta, executing the most exacting designs with a finish and skill betokening the highest order of craftsmanship.

### PROMINENT CEMENT MAN DIES.

We are in receipt of the following notice from the Chicago Portland Cement Company:

"It is with deep regret we announce the death of Mr. David D. Drummond, vice-president and manager of this company, which occurred at his home, Oglesby, Ill., on Friday, March 8, 1912, Chicago Portland Cement Company."

Mr. Drummond was one of the early cement manufacturers in the Middle West, his connection with the Chicago Portland Cement Company, of which he was latterly vice-president and manager, dating back fully thirteen years. An enthusiastic and untiring worker, he was always a prominent figure at the meetings of the Association of American Portland Cement Manufacturers, and during his entire lifetime was also actively interested in the work of the National Association of Cement Users and kindred bodies.

For the past few years, Mr. Drummond had experienced very indifferent health, and was occasionally compelled to sojourn in the South. Recently his health showed some improvement, admitting of a brief trip to the Panama Canal Zone, while his presence at the recent Chicago Cement Show was very gratifying to his wide circle of friends.

Born in Scotland, Mr. Drummond lived in this country since his boyhood. He died in his fifty-second year, and is survived by a widow and three sons, Douglas, Ralph and Kenneth. The funeral service was held March 11, at the residence of Mr. Norman D. Fraser, 2928 Washington Boulevard, Chicago, and interment was at Rosehill Cemetery.

F. W. Van Loon, for years a hustling representative of the Charles McCaul Company, has opened offices for himself in the Denckla Building, where he will carry on a general building and contracting business. Mr. Van Loon is widely and favorably known in the trade and a master builder in every sense of this oft-abused term.



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Clarence G. Hoyt, 428 Walnut st., Phila.

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Lindemann Engineering Co.,  
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## Tanks (wood).

E. F. Schlichter Co., 10 S. 18th st., Phila.

## Terra Cotta (Architectural)

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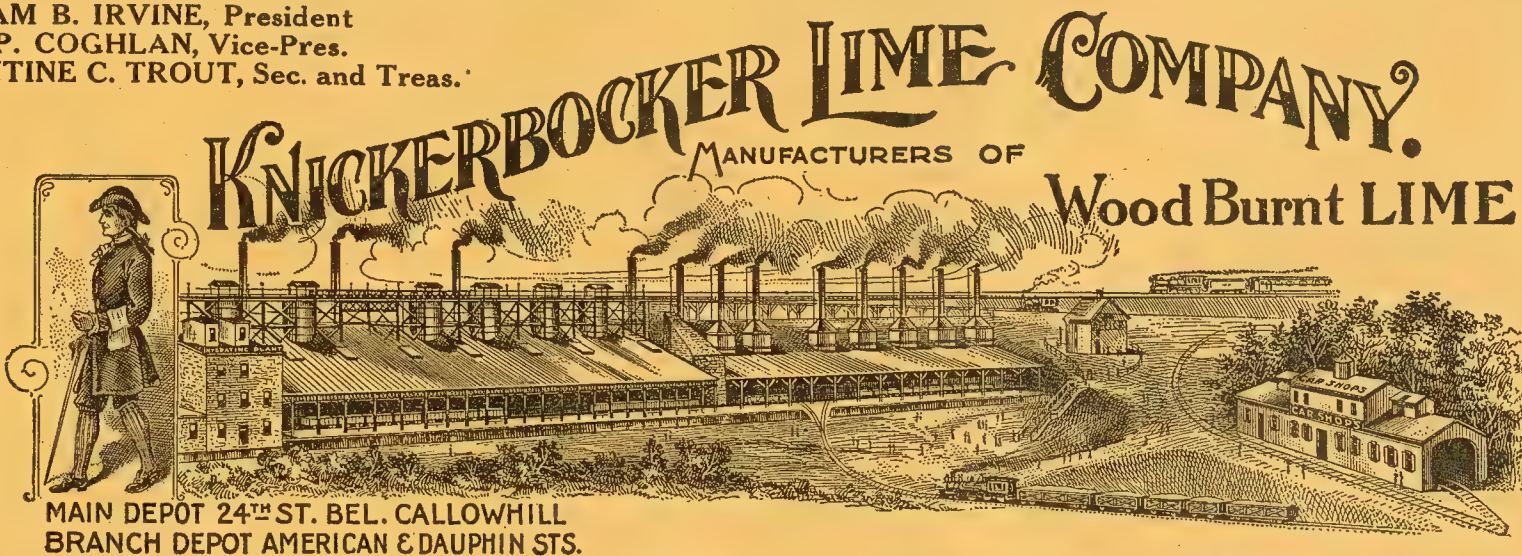
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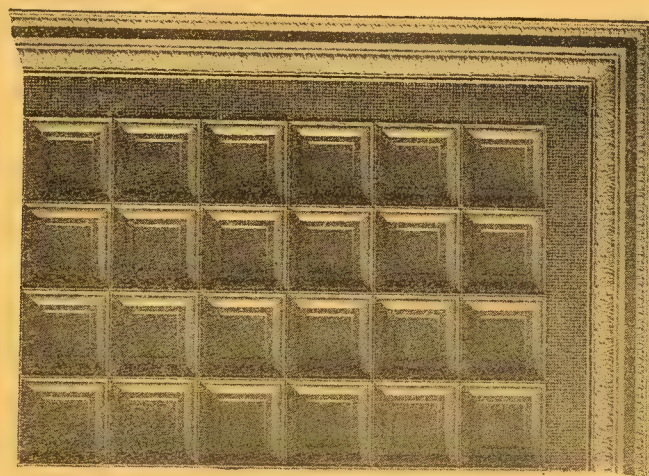
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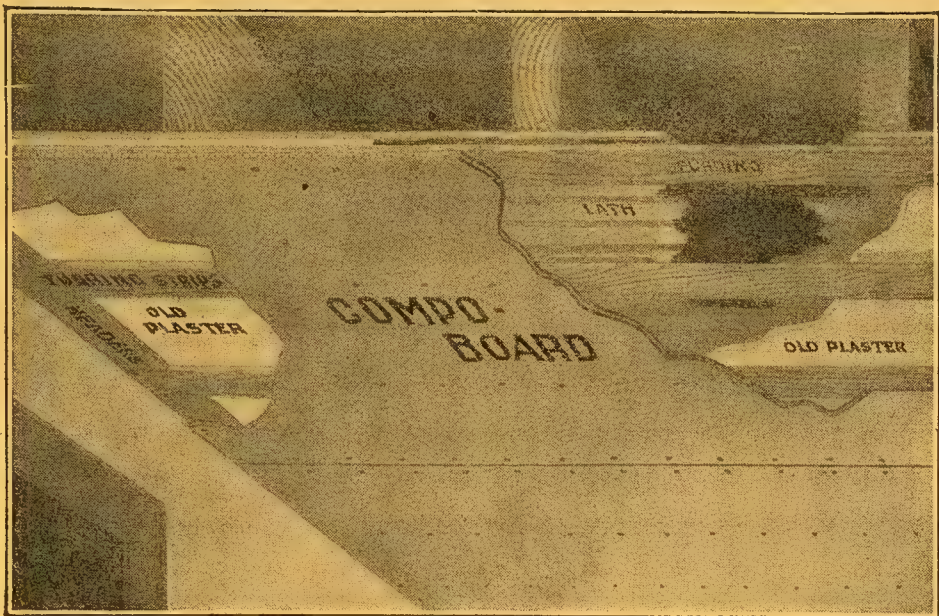


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# Builders' Guide

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Vol. XXVII., No. 15.

PHILADELPHIA, WEDNESDAY, APRIL 10, 1912.

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## Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Chapel Oxford and Clarion streets.** Architect, B. Rush Stevens, 1737 Filbert street. Owners, Lincoln Memorial, on premises. Brick, one story, 33x48 feet, slag roof, electric light, steam heating. Plans in progress.

**Moving Picture Theatre,** Germantown, Philadelphia. Architects, Watson & Huckel, 1211 Walnut street. Owners, J. J. Keenan, care of architects. Brick, one story, 39x120 feet, steam heating, electric lighting, slag roof. Architects taking bids, due April 8. The complete list of bidders are: E. J. Kreitzburg, 1345 Arch street; George & Borst, 277 South Eleventh street; H. C. Dahl, 231 South Eighth street; Stacey Reeves & Sons, 1611 Filbert street; J. McShain, 631 North Seventeenth street.

**Home (alt. and add.),** 6300 Greene street, Germantown. Architects, Bunting & Shrigley, 603 Chestnut street. Owners, Friends' Boarding House, on premises. Brick, two stories, slag roof, electric lighting, steam heating. Architects taking revised bids, due April 10. The following are figuring: H. C. Rea Company, 711 North Fifteenth street; J. W. Fretz, Thirteenth and Medary streets; J. & G. Murphy & Co., 610 North Twenty-first street; George I. Sipps, 911 Locust street; George Watson & Son, 905 Marshall street; W. C. Wright, 22 Harvey street.

**Residence (alt. and add.),** Torresdale, Philadelphia. Architect, George I. Lovett, 420 Walnut street. Owner, Mrs. Thomas E. Coale, Torresdale, Pa. Brick, three stories, shingle roof, electric lighting, hot air heating. Plans in progress.

**Cottage,** Chelsea, N. J. Architect, George S. Idell, Harrison Building. Owner, J. A. S. Brown, Franklin Bank Building. Brick, frame and plaster, three stories, 42x70 feet, tile roof, electric lighting, hot water heating. Architect has received bids.

**School,** Newark N. J. Architect, E. F. Guilbert & George W. Knight, Newark, N. J. Owners, Board of Education, Newark, N. J. Brick, fireproof, two stories, 107x102 feet, slag roof, electric lighting, steam heating. Owners taking bids, due April 15. Metzger & Wells, Heed Building, are figuring.

**Factory and Boiler House,** Pennsylvania R. Co., Fifth street, Camden, N. J. Architects, Peuckert & Wunder, 310 Chestnut street. Owners, Kind & Landesmann, on premises. Brick, two stories, 73x93 feet, and 40x50 feet, slag roof, electric lighting. Plans in progress.

**Residence (alt.),** Cynwyd, Pa. Architect,

Frank Seeburger, Pennsylvania Building. Owner, William Simpson, Cynwyd, Pa. Stone and frame, three stories. Consists of interior alterations, bay window, etc. Architect taking bids.

**Residence,** Lansdowne, Pa. Architect, W. H. Richie, Stephen Girard Building. Owner, David P. Richie, Lansdowne, Pa. Stone, three stories, 32x43 feet, shingle roof, hot water heating, electric lighting. Architect taking bids, due April 12. James B. Flounders, 1329 Arch street, is figuring.

**Residence,** Lincoln Drive, Pelham, Pa. Architect, Bart Tourison, Land Title Building. Owner, W. B. Kugler, Land Title Building. Stone and half timber, two and one-half stories, 56x38 feet, wings, 27x14 feet and 17x34 feet, tile roof, electric lighting, hot water heating, hardwood floors. Architect taking bids, due April 14, 1 P. M. The following are figuring: F. R. Heavener, Norristown, Pa.; E. L. Cuthbertson, 334 Roxborough avenue; William H. Eddleman, 435 Green Lane; S. Harding, 20 East Johnson street; Pennsylvania Construction Company, 14 South Broad street; H. C. Rea Company, 711 North Fifteenth street.

**Hotel,** Cresheim Valley, Pa. Architects and builders, Koelle Speth Company, Twenty-sixth and Oxford streets. Owner, Adam Lotz, 7673 Germantown avenue. Stone, two stories, 50x50 feet, slag roof, electric lighting, hot water heating. Builders taking sub-bids, due April 9.

**School (alt. and add.),** Glenside, Pa. Architect, H. C. Wise, 34 South Sixteenth street. Owners, Board of Education of Cheltenham Township. Stone, two stories, slate roof, electric light, steam heating. Plans completed. Owners taking bids, due April 18.

**Offices (alt.),** 705 South Juniper street. \$6,000. Architects and owners, Mellor & Meigs, Lafayette Building. Consists of interior alterations. Plans in progress. Owners to take bids in about one week.

**Garage,** north side of Locust street, west of Broad street. Architects, Hewitt, Granger & Paist, Bullitt Building. Owners, Bellevue-Stratford Hotel Company, Broad and Walnut streets. Brick, reinforced concrete, fireproof, four stories, 102x150 feet, slag roof, electric lighting, steam heating. Preliminary plans in progress.

**Parochial School,** New Oxford, Pa. Architect, Paul Monaghan, 722 Drexel Building. Owner's name withheld. Stone, brick, two stories, 55x70 feet, slate roof, steam heating,

electric lighting. Architects taking bids, due April 13. The following are figuring: Eline & Bros., Littlestown, Pa.; Staph & Benfer, Harrisburg, Pa.; W. J. Klunk, Hanover, Pa.; York Woodworking Company, York, Pa.; G. H. Roth, New Oxford, Pa.

**Church, Sunday School and Manse,** Fifty-seventh and Washington avenue. Architect, George E. Savage, Witherspoon Building. Owners, Ninth Presbyterian Church. Stone, one story and basement, 150x200 feet, slate roof, electric lighting, steam heating. Architects taking bids, due April 15. The following are figuring: A. R. Raff, 1635 Thompson st.; J. P. Thompson, 1432 South Penn Square; William N. Thompson, 1629 Filbert street; R. C. Balkinger, 218 North Thirteenth street; F. I. Hoover & Sons, Builders' Exchange; Alexander Chambley, 243 South Tenth street; William F. Baldwin, 41 South Fifteenth street; Thos. C. Trafford, 1613 Sansom street; James Johnson, 1721 Ludlow street; William R. Dougherty, 1608 Sansom street.

**Residence,** St. Davids, Pa. Architect, Geo. E. Savage, Witherspoon Building. Owner, T. W. Pierce, care of architect. Stone, three stories, 50x80 feet, slate roof, electric lighting. Plans in progress.

**Residence al(t.),** 148 West Dauphin street. Architects, Stuckert & Sloan, Crozer Building. Owner, Jos. Wasserman, care of architect. Brick, three stories, slag roof, electric lighting. Architects have received bids.

**Stores (3),** 5215-17-19 Market street. Architect, R. Warner, 5146 Market street. Owner, William Freihoffer, Twentieth and Indiana avenue. Brick, two stories, 20x100 feet, slag roof, electric lighting, steam heating. Revised plans in progress.

**Recreation Park,** Twenty-sixth and Thompson streets. Architect, Philip H. Johnson, Land Title Building. Owners, Board of Recreation, City of Philadelphia, Room 587, City Hall. Pool, gymnasium and playground. Brick, two and three stories, electric lighting, steam heating, tile roof, enamel brick. Bids were opened as follows: Ed. Fay & Son, \$107,800; E. H. Sturts, \$115,992; John W. Emery, \$117,731; J. E. & A. L. Pennock, \$118,856; Wayne Construction Company, \$120,700; Doyle & Co., \$120,725; Mitchell Bros., \$121,661; A. Bottoms & Sons, \$122,600; Sax & Abbott, \$123,975; D. T. McCarthy, \$130,517; Peoples Bros., \$132,993.

**Office Building,** Twelfth street between Wharton and Reed streets. Architect, William E. Groben, City Hall. Owners, Department of Public Works, City Hall. Brick, two



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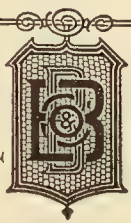
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**N. E. Cor. 22d and Wood Streets**

stories, 24x48 feet. Owners taking bids, due April 15. The following are figuring: P. J. Hurley, 1233 Cherry street; H. E. Grau Company, 1707 Sansom street; H. H. Wehmeyer, 1004 West Lehigh avenue; F. E. Wallace, 1210 Sansom street; H. E. Baton, Tenth and Sansom streets; William R. Dougherty, 1608 Sansom street; J. Dagney, Seventh and Oak avenue; F. W. Van Loon, Denckla Building.

**Freight House and Office**, Porth Richmond Branch. Architect, William Hunter, Twelfth and Market streets. Owners, Philadelphia and Reading Railway Company, Twelfth and Market streets. Brick, one story, 24x190 feet, electric light, slag roof. Owners taking bids, due April 13. The following are figuring: F. L. Hoover & Sons, Builders' Exchange; J. S. Wilson & Co., 1125 Brown street; W. E. Dotts, 148 North Second street; Irwin & Leighton, 126 North Twelfth street; J. E. & A. L. Pennock, Land Title Building; Charles McCaul Company, Tenth and Sansom street; James Doak & Co., Crozer Building; F. W. Van Loon, Denckla Building; T. C. Trafford, 1613 Sansom street; Roydhouse Arey & Co., Fidelity Building; F. A. Havens & Co., 845 North Nineteenth street; E. L. Seeds, 6314 Wissahickon avenue.

**Garage**, Tacony, Phila. Architect, private plans. Owners, William Miller, Tacony, Phila. Brick, two stories, 20x25 feet, slag roof, electric light. Owner has received bids.

**Laboratory Building**, Stenton avenue. \$20,000. Engineer, John G. Brown, Witherspoon Building. Owners, Atwater-Kent Mfg. Company, 46 North Sixth street. Brick, concrete, one story, 120x167 feet, slag roof, electric lighting, steam heating. Owners taking bids, due April 12. George & Borst, 277 South Eleventh street; Smith, Hardican Company, 1606 Cherry street, are figuring.

**Theatre**, Forty-first and Lancaster avenue. Architects, John D. Allen Company, Denckla Building. Owners, Mrs. J. Effinger, 4130 Parkside avenue. Brick, two stories, 56x172 feet, slag roof, electric lighting, steam heating. Architects ready for revised bids.

**Hospital (alt.)**, Thirty-third and Lancaster avenue. Architects, Brockie & Hastings, 328 Chestnut street. Owners, The Rush Hospital, on premises. Consists of finishing interior of one floor. Architects taking revised bids, due April 15. F. E. Wallace, 1210 Sansom street, is figuring.

**Garage**, Devon, Pa. Architects, Duhring, Okie & Zeighler, Bailey Building. Owner, H. H. Harrison, Lafayette Building. Stone, one and one-half stories, 38x34 feet, slate roof, electric lighting. Architects taking bids due in a few days. The following are figuring: Gray Bros., Rosemont, Pa.; William R. Dougherty, 1608 Sansom street; Appleton & Burrell, 1204 Chancellor street.

**Chapel**, McKinley, Pa. Architects, Druckemiller, Stackhouse & Williams, Land Title Building. Owners, McKinley Mission, McKinley, Pa. Stone and clap board, one story and basement, 30x50 feet, slate roof, hot water heating, electric light. Plans in progress.

**School (alt. and add.)**, Glenside, Pa. Architect, H. C. Wise, 34 South Sixteenth street. Owners, Board of Education of Cheltenham Township. Stone, two stories, slate roof, electric lighting, steam heating. Architect taking bids, due April 18. The following are figuring: George Hogg, 1634 Sansom street; Thos. O. Trafford, 1613 Sansom street; E. H.

Sturts, Twenty-sixth and Ridge avenue; Wm. Fesmier, Glenside, Pa.; F. L. Hoover & Sons, Builders' Exchange.

**Residence (alt. and add.)**, Jenkintown, Pa. Architect, H. B. Price, 105 West Fortieth street, New York. Owner, H. B. Warburton, Jenkintown, Pa. Stone and brick, three stories, electric lighting, slag roof, steam heating, hardwood floors. Architect taking bids, due April 12. H. E. Grau & Co., 1707 Sansom street, are figuring.

**Residences (2)**, St. Martins, Philadelphia. Architects, McGoodwin & Hawley, 34 South Sixteenth street. Owner, Dr. George Woodward, North American Building. Stone, three stories, 27x54 feet and 22x81 feet. Shingle roof, electric lighting, steam heating, hardwood floors. Architects taking revised bids, due April 12th. The following are figuring: F. B. Davis, 35 South Seventeenth street; J. E. Walt, 204 East Willow Grove avenue; Fred Elvidge, 5522 Germantown avenue; Pringle Borthwick, 8019 Germantown avenue; Henry L. Brown, 1714 Sansom street; A. Whitehead, 1624 Latimer street.

**High School**, Mt. Vernon, N. J. Architects, Goldwin, Starrett & Van Velck, New York. Owners, Board of Education, Mt. Vernon, N. J. Brick, stone and terra cotta, three stories, 316x80 feet. Slag roof and slate, electric lighting, steam heating. Owners taking revised bids, due April 12th. A Bottoms & Sons, 41 South Fifteenth street, are figuring.

**Store Building**, Baltimore, Md. Architect, Lewis Levi, Real Estate Trust Building. Owner, Julius Mintz, Howard near Franklin street, Baltimore, Md. Brick, three stories, 56x167 feet. Electric lighting, steam heating, slag roof. Plans in progress.

**School**, Orthodox and Franklin streets. Architects, Stearns & Castor, Stephen Girard Building. Owners, Central Methodist Episcopal Church, on premises. Stone, three stories, 86x68 feet. Tin roof and slate, electric lighting. Architect taking bids, due April 18th. The following are figuring: Rimer & Byers, 4842 Hawthorne street; Pierson & Ruff, Norristown, Pa.; Frank E. Wallace, 1210 Sansom street; John W. Emery, 1524 Sansom street; A. R. Raff, 1635 Thompson street; H. E. Baton, Tenth and Sansom streets.

**Residence**, Cressmont, Pa. Architect, H. I. Reinhold, Tenth and Sansom streets. Owner, J. C. Bell, care of Architect. Frame, two and one-half stories, 26x34 feet. Electric lighting, hot air heating, slate roof. Architect taking bids, due April 15th. The following are figuring: Murphy & Sanderson, Willow Grove, Pa.; F. W. Fesmier, Glenside; M. Hauser, Glenside, Pa.; Fesmier & Mitchell, Glenside, Pa.; A. D. Lutz, Glenside, Pa.; Henry Specht, Willow Grove, Pa.; Morrow & Johnson, Oak Lane, Pa.; E. E. Wells, 816 Corinthian avenue; E. H. Sturts, Twenty-sixth and Ridge avenue.

**Theatre**, Sixtieth and Ludlow streets. Architect, R. Warner, 5146 Market street. Owner, William Freihofer, Twentieth and Indiana avenue. Brick, one story. Too early for details. Plans in progress.

**Memorial Hall**, Villanova, Pa., \$100,000. Architects, E. F. Durang & Son, Twelfth and Chestnut streets. Owners, Villanova College, donated V. Corr. Stone (hall), 174x53 feet, three stories. Chapel, stone, 94x40 feet, one story, slate roof, electric lighting, steam heating, hardwood floors. J. Stanley Smith, Stephen Girard Building, is taking sub-bids.





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## Contracts Awarded

### Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Stable and Garage**, Chestnut Hill, Philadelphia. Architect, Horace Trumbauer, Land Title Building. Owner, G. I. Bodine, Chestnut Hill, Philadelphia. Stone and brick, two and one-half stories, 25x40 feet, electric lighting, steam heating, slate roof. Contract awarded to F. B. Davis, 35 South Seventeenth street.

**Roof Garden**, Tenth and Sansom streets. Architect, J. T. Windrim, Commonwealth Building. Owners, Jefferson Medical College, Tenth and Sansom streets. Brick, terra cotta, one story, fireproof, slag roof, electric lighting, steam heating. Contract awarded to B. Ketcham Sons, 1029 Brown street.

**Garage**, Lansdowne, Pa. Architect, J. J. Bissegger, Moylan, Pa. Owner, C. J. Pilling, Lansdowne, Pa. Hollow tile and concrete, one story, 25x30 feet, slate roof, hot water heating. Contract awarded to R. H. Anderson, Lansdowne, Pa.

**Foundry, Shops and Offices**, Twenty-third and Westmoreland streets. Architect, W. L. Blithe, 608 Chestnut street. Owners, Bureau Bros., Twenty-first and Allegheny avenue. Concrete, brick and steel, fireproof, one and two stories, 100x126 feet, slag and slate roof, electric lighting, steam heating. Contract awarded to William R. Dougherty, 1608 Sansom street.

**Residence**, Cynwyd, Pa. Architect, Druckenmiller, Stackhouse & Williams, Land Title Building. Owner, I. Stanley King, Cynwyd, Pa. Stone, two and one-half stories, 43x44 feet, shingle roof, hot water heating, electric

lighting. Contract awarded to Mowrer Bros., Merion, Pa.

**Residence and Garage**, Merion, P. \$75,000. Architects, Druckenmiller, Stackhouse & Williams, Land Title Building. Owner, Dr. A. C. Barnes, 24 North Fortieth street. Stone and brick, half timber, two and one-half stories, 82x52 feet. Garage, 32x22 feet, two stories, tile roof, electric lighting, hot water heating, hardwood floors. Contract awarded to E. J. Hedden, 14 South Broad street.

**Gardners Cottage**, Lebanon, Pa. Architect, Bissell & Sinkler, Bailey Building. Owner, Mrs. A. Brock, Lebanon, Pa. Concrete block, two and one-half stories, 27x37 feet, shingle roof, electric lighting. Contract awarded to J. H. Greiner, Lebanon, Pa.

**Pier (alt. and add.)**, Chestnut and Delaware avenue. Architect, private plans. Owners, City of Philadelphia, Board of Recreation, 587 City Hall. Iron and steel, slag roof, electric lighting. Contract awarded to E. C. Durrell, 1713 North Twenty-fourth street.

**Restaurant (alt. and add.)**, Lawrence and Summer streets. Architect, C. T. Biswanger, 411 Walnut street. Owners, Oriental Real Estate Company, Amber and Adams streets. Brick, two stories addition, 18x16 feet, and interior alterations. Contract awarded to Haibach Construction Company, Twenty-sixth and Thompson streets.

**Residence (alt.)**, 345 Pelham road. Architect, private plans. Owners, James H. Gay, 1523 North Sixth street. Stone, three stories,

consists of extensive interior alterations. Contract to F. T. Mercer Company, 1706 DeLancey street.

**Stable and Garage**, Roxborough, Philadelphia. Architects, Peuckert & Wunder, 310 Chestnut street. Owners, St. Timothy's Hospital, on premises. Brick, two stories, 30x75 feet, electric lighting, steam heating, slate roof. Contract awarded to E. L. Cuthbertson, 334 Roxborough avenue.

**Cottage**, Atlantic City, N. J. Architect, LeRoy B. Rothschild, 418 Walnut street. Owner, J. Taplinger, 48 North Sixth street. Frame,

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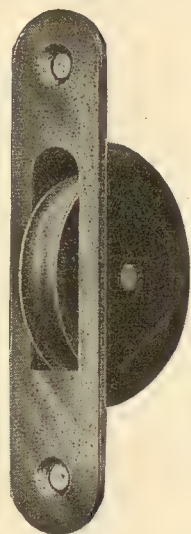
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two and one-half stories, 26x48 feet, slate roof, hot water heating (electric lighting being reserved). Contract awarded to Alexander Chambley, 243 South Tenth street.

**Rectory and addition to Church**, Fourth and Wharton streets. Architects, Schaeff & Brugger, 1524 Chestnut street. Owners, St. Casimer's Church, Rev. J. J. Kaulakis, 333 Wharton street. Brick, three stories, 38x68 feet, slag roof, hot water heating, electric lighting. Contract awarded to J. A. Engle, 3006 North Fifth street.

**Store (alt. and add.)**, 1725-27 Broadway, New York. Architect, private plans. Owners, Fiske Rubber Company, on premises. Interior alterations and additions. Contract awarded to George F. Pawling & Co., 1400 Vine street.

**Buildings and Platforms (alt. and add.)**, Mifflin street and Schuylkill River. Architects, Savery, Sheetz & Savery, Stephen Girard Building. Owners, Crew Levick Company, Land Title Building. Contract awarded to A. Whitehead, 1624 Latimer street.

**Residence**, Fort Washington, Pa. Architects, Schermerhorn & Phillips, 430 Walnut street. Owner, Dr. Albert J. Craig, Fort Washington, Pa. Stone, three stories, 26x40 feet, black slate roof, electric lighting, hot water heating, hardwood floors. Contract awarded to William Camburn, Ambler, Pa.

**Factory Buildin (add.)**, Willard and Jasper streets. Architect, Jacob Naschold, 723 Walnut street. Owners, Peerless Silk Hosiery

Company, on premises. Brick and concrete, four stories, 59x43 feet, slag roof, electric lighting, steam heating. Contract awarded to Joseph Bird & Co., 213 North Eleventh street.

**Post Office Building (alt.)**, Ninth and Chestnut streets. Architect, private plans. Owners, United States Government, care of William McCoach, Custodian. Electric lighting, steam heating. Contract awarded to Burd P. Evans & Co., Thirteenth and Wallace streets.

**Residence**, Oak Lane, Philadelphia. Architect, E. B. Lee, 6603 North Eleventh street, Oak Lane. Owner, E. I. Taylor, Oak Lane Park. Stone and rough cast, two and one-half stories, 30x45 feet. Slate roof, electric lighting, steam heating. Contract awarded to Oak Lane Park Building Company, Nineteenth and Cambria streets.

**Laboratory Building**, Broad and Venango streets. Architect, H. C. Wise, 34 South Sixteenth street. Owners, Temple University, on premises of the Samaritan Hospital. Brick, stone, terra cotta, three stories, 34x80 feet. Electric lighting, steam heating, slag roof. Contract awarded to P. J. Hurley, 1233 Cherry street.

**Car Barn (alt. and add.)**, Thirty-first and Susquehanna avenue. Architect, private plans. Owners, Philadelphia Rapid Transit Company, Eighth and Dauphin streets. Brick, one story, slag roof. Contract awarded to F. A. Havens & Co., 845 North Nineteenth street.

## Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Atwater, Kent & Co. (O), 46 North Sixth street. Cost, \$20,000. Manufacturing building, brick, one story, 120x160 feet, 4937 Stenton avenue.

City of Philadelphia (O). H. H. Wehmeyer (C), 1001 West Lehigh avenue. Cost, \$149,380. School. Brick, three stories, 83x160 feet, Ninth and Lindley avenue.

Earl A. Duff (O), 3648 Frankford avenue. T. Duff (C). Cost, \$1,600. Dwelling, brick, two stories, 14x32 feet, Emerald and Cambria streets.

S. S. Wilmer (O), 3211 Comly street. Cost, \$7,200. Four dwellings, brick, two stories, 15x45 feet, Benner and Ditman streets. Cost, \$4,000. Two dwellings.

G. E. Young (O), Second Street Pike. D. W. O'Dea (C), 5219 North Fifth street. Cost, \$12,000. Four dwellings, brick, three stories, 16x25 feet, Sanger and G streets.

B. C. Simons (O), Nineteenth and Jackson streets. H. V. Williams (C), 2334 South Twentieth street. Cost, \$92,600. Sixty-five dwellings, 16x45 feet, two stories, Wolf and Croskey streets.

Henry Brinkman (O), 2617 Frankford avenue. Cost, \$2,500. Brick dwelling, three stories, 16x32 feet, Herbert and Hancock sts.

Dill & Collins (O), Richmond and Tioga streets. William Steele & Sons Company (C), Sixteenth and Arch streets. Cost, \$20,000. Factory, brick, one story, 67x196 feet.

A. S. Tourison (O), 7014 Boyer street. Cost, \$9,000. Residence, two stories, 41x27 feet,

Clearfield and Gorges streets. Cost, \$600. Garage.

Southwark National Bank (O), 610 South Second street. H. E. Baton (C), Tenth and Sansom streets. Cost, \$30,000. One story and basement, 40x110 feet, 610 South Second street.

St. Casimer's Church (O), 2333 Wharton street. J. A. Engle (C), 3006 North Fifth street. Cost, \$6,500. Brick, three stories, 38x38 feet, rectory.

E. S. Radley (O), 5226 North Broad street. Cost, \$19,200. Twelve residences, two stories, brick, 16x56 feet, Carlisle and Duncannon streets.

A. C. Holmes (O), Chestnut Hill, Philadelphia. F. B. Davis (C), 35 South Seventeenth street. Cost, \$10,000. Residence, stone, three stories, 44x31 feet.

Daniel Crawford, Jr. (O), 1829 Land Title Building. Cost, \$46,000. Dwellings, brick, 15x32 feet, Fifty-eighth and Carpenter streets.

William F. Schmidt (O), 4716 Salmon street. F. Briskelbach Company (C), 4608 Richmond street. Cost, \$4,300. Two dwellings, brick, two stories, 15x42 feet, 4712-14 Salmon street.

J. M. Cassel & Son (O), 2717 North Twelfth street. Cost, \$2,800. Residence, brick, three stories, 16x50 feet, Frankford avenue and Ontario street. Cost, \$2,300. Residence, three stories, Frankford avenue and Ontario street.

E. A. Hall (O), Boon street, Wissahickon. J. J. Hurley (C), 503 East Mount Airy ave-



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nue. Cost, \$2,250. Dwelling, brick, two stories, 14x42 feet, 173 Fountain street.

W. P. Zeighler (O), 740 Lincoln Drive. W. J. Stevens (C), Wyncote, Pa. Cost, \$18,000. Residence, stone, three stories, 20x27 feet, St. Martins, Pa.

A. Rubin (O), 514 Lombard street. David Whittenberg (C), Eighth and Poplar streets. Cost, \$4,400. Dwelling, brick, three stories, 18x50 feet, 516 Lombard street.

Thurman Manufacturing Company (O), 437 Ashmead street. Cost, \$6,000. Factory, brick, three stories, 56x48 feet, 437 Ashmead street.

E. T. Tustin (O), Crozer Building. J. R. Wiggins (C), Heed Building. Cost, \$5,000. One store, 55x29 feet, three stories, Overbrook, Philadelphia.

William H. Wilson Company (O), 1318 Chestnut street. W. J. Gruhler (C), 219 High street. Cost, \$28,000. Two dwellings and store, 54x26 feet, three stories, Chestnut Hill, Philadelphia.

Rubin & Bros. (O), Longshore and Hegerman streets. H. L. Gireke (C), 3532 Princeton avenue. Cost, \$2,050. Store and dwell-

ing, two stories, 16x50 feet, 3620 Longshore street.

Kirk & Nice (O), Main and Washington lane. J. H. Walton (C), 168 East Walnut lane. Cost, \$6,700. Apartment house, three stories, 20x28 feet.

S. H. Fraley & Son (O), 515 Richmond street. M. Sanders (C), 519 Richmond street. Cost, \$1,300. Warehouse, brick, two stories, 20x38 feet, 514 Salmon street.

J. Smedley (O), 109 East Cheltenham avenue. Cost, \$6,600. Apartment house, brick, three stories, 20x28 feet.

E. B. Sharp (O), 6216 Torresdale avenue. Cost, \$1,800. One dwelling, brick, two stories, 14x27 feet, Germantown. Cost, \$1,400. One store and dwelling.

J. Smith (O), 4043 Girard avenue. W. A. Mitchell (C), 2 and 4 South Hicks street. Cost, \$800. Residence, brick, two stories, 11x29 feet, 724 Hicks street.

A. B. & C. F. Millett (O), Eleventh and Ruscomb streets. Cost, \$36,000. Eight dwelling, three stories, 16x51 feet, 5001 to 5005 North Twelfth street. Cost, \$39,600. Twelve dwellings.

## Alterations and Additions

Prudential Worsted Company (O), Large and Orthodox streets. G. H. Thirsk (C), 4413 Frankford avenue. Cost, \$1,300. Office, Large and Orthodox streets.

M. A. Rowland (O), Fifty-second and Westminster avenue. W. A. Patterson (C), 5333 Vine street. Cost, \$530. Residence, Fifty-second and Westminster avenue.

M. S. Fleisher (O), 2030 Spring Garden street. Sax & Abbott (C), Hale Building. Cost, \$2,000. Residence, 2030 Spring Garden street.

A. B. Lamb (O), 6607 North Seventh street. Cost, \$6,000. Dwelling, Sixth street.

J. H. Letlaur (O), Hasting and Seminole avenue. A. R. Raff (C), 1635 Thompson street. Cost, \$300. Residence, Hasting and Seminole avenue.

Witherspoon Building Company (O), Juniper and Walnut streets. R. B. Lederle (C), Witherspoon Building. Cost, \$725. Office building.

R. R. Heath (O), Seventy-eighth and Ashwood avenue. Cost, \$2,400. Dwelling, brick, two stories, 14x36 feet, Eighty-sixth and Ashwood avenue.

J. F. Werner (O), Forty-eighth and Springfield avenue. J. F. Gisler (C), 4015 Fairmount avenue. Cost, \$750. Apartments, Forty-eighth and Springfield avenue.

M. Miller (O), Markoe and Haverford avenue. P. Savor (C), 718 Snyder avenue. Cost, \$1,500. Store and dwelling, Markoe and Haverford avenue.

Manufacturers' Club (O), 1508 Walnut street. William Steele & Sons (C), Sixteenth and Arch streets. Cost, \$580. Club house.

Dernell Surpassing Coffee Company (O), 432 Market street. William F. Dougherty (C), 158 North Ninth street. Cost, \$580. Restaurant, 158 North Ninth street.

Jacob Korman (O), E and Wesley streets. Sam Berger (C), 416 Queen street. Cost, \$400. Store.

A. Colburn Company (O), 111 Bread street.

William Meyers Company (C), 216 Quarry street. Cost, \$500. Factory, 111 Bread street.

Louis Silverman (O), 778 South Third street. Cost, \$400. Store, 773 South Third street.

E. F. Houghton & Co. (O), American and Somerset streets. Bushnell Brothers (C), 2246 North Fifth street. Cost, \$1,100. Shed, American and Somerset streets.

Stewart & Anders (O), 1822 Juniata street. B. E. Jarvis (C), 1822 Juniata street. Cost, \$500. Coal yard.

Mrs. M. Bolin (O), 42 North Twelfth street. H. E. Jordan (C), 911 Franklin Bank Building. Cost, \$2,100. Store and dwelling, 1330 Columbia avenue.

The Bell Company (O), 953 North Hancock street. H. Gill, Jr., 2200 Germantown avenue. Cost, \$2,000. Store and dwelling, 3359 North Fifth street.

A. Peterson (O), 5924 Woodbine avenue. M. W. Young (C), Overbrook, Philadelphia. Cost, \$2,500. Dwelling, Overbrook, Philadelphia.

Quaker City Rubber Company (O), 629 Market street. George Hogg (C), 1624 Sansom street. Cost, \$2,000. Boiler house, Milnor and Comly streets.

Dr. G. W. Pframan (O), 1431 North Fifteenth street. A. R. Raff, 1635 Thompson street. Cost, \$1,500. Residence.

D. G. Musselman (O), 5205 Amber street. F. A. Havens & Co. (C), 845 North Nineteenth street. Cost, \$1,400. Store and dwelling, Twentieth and Parrish streets.

E. B. Garrett Estate (O), Wissahickon avenue and Manheim street. J. W. Emery (C), 1524 Sansom street. Cost, \$900. Garage.

J. Sharp Estate (O), 409 Chestnut street. A. H. Williams Sons (C), 418 Locust street. Cost, \$500. Store, 15 and 17 South Thirteenth street.

Remington Typewriter Company (O), 110 South Ninth street. F. L. Hoover & Sons

Company (C), 18 South Seventh street. Cost, \$1,000. Office.

Philadelphia and Reading Railway Company (O), Twelfth and Market streets. George Hogg (C), 1634 Sansom street. Cost, \$8,400. Freight House, Wayne Junction. Cost, \$3,000.

J. Alexander (O), Eleventh and Lombard streets. Joseph Farbstein (C), 908 Walnut street. Cost, \$625. Store and dwelling, Eleventh and Lombard streets.

The Cudahy Packing Company (O), Ninth and Girard avenue. J. E. Otis, Jr. (C), Ninth and Girard avenue. Cost, \$12,000.

Automobile Club, Philadelphia (O), 2222 Market street. F. A. Havens & Co. (C), 845 North Nineteenth street. Cost, \$1,000. Offices, 2222 Market street.

Charles Wagner (O), Fifty-third and Market street. E. G. Beard (C), Llanerch, Pa. Cost, \$3,500. Store and dwelling, Forty-fifth and Chestnut streets.

J. Geneveve (O), 6401 Carlton street. Cost, \$500. Store and dwelling.

Miss H. A. White (O), 321 East Price street. M. C. Moldrup (C), Glenside, Pa. Cost, \$900. Dwelling, 18 East Chestnut avenue.

H. A. Laughlin (O), Chestnut avenue, Chestnut Hill. Myers & Co. (C), 1001 Betz Building. Cost, \$3,000. Greenhouse, Chestnut Hill, Pa.

United Cigar Store Company (O), New York. E. Fay & Son (C), 1521 Ranstead street. Cost, \$800. Store, 5607 Germantown avenue.

Thompson Estate (O), Fifteenth and Walnut streets. J. N. Gill & Co. (C), Heed Building. Cost, \$700. Store and office, Thirteenth and Walnut streets.

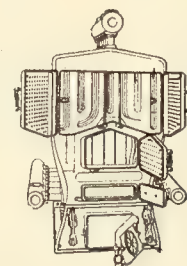
Otto Sandenberger (O), Twelfth and Locust streets. J. & Gill & Co. (C), Heed Building. Cost, \$3,000.

M. C. Burke (O), 19 North Eleventh street. A. R. Raff (C), 1635 Thompson street. Cost, \$3,500. 19 North Eleventh street.

Sam Shoemaker (O), Land Title Building. C. White & Bro. (C), 5441 Haverford avenue. Cost, \$1,200. Garage, 1831 North Warnock street.

Andrew Denzler (O), 1816 Orleans street.

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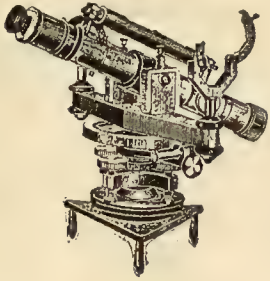
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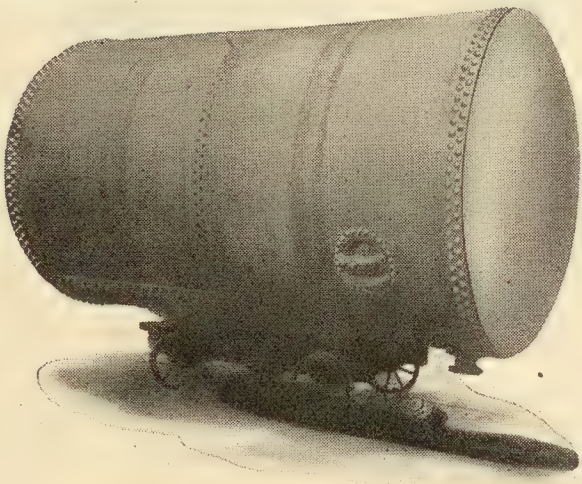
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1130-1144 RIDGE AVENUE PHILADELPHIA  
BRANCHES - RICHMOND - SAVANNAH - SAN FRANCISCO

Mention "The Builders' Guide."

J. C. Miller (C), 2012 Clemantine street. Cost, \$600. Wash house, Orleans and Ruth streets.

Thomas M. Seeds, Jr. (O), 1207 Race street. Cost, \$1,500. Store, 1106 Vine street.

J. N. Morris (O), 206 South Second street. H. C. Dahl (C), 231 South Eighth street. Cost, \$950. Store, Fifty-second and Stiles street.

P. E. Church of the Holy Comforter (O), Forty-eighth and Haverford avenue. Pennsylvania Construction Company (C), 14 South Broad street. Cost, \$14,000, 33x35 feet, two stories. Store.

## MAIL ORDER METHODS.

We have information from what we consider very good authority that certain mail order houses last year loaned on long terms the sum of \$250,000 on New York property to builders on percentages as high as 75 per cent. of the value of the property on which the money was loaned, the consideration for such loans being that the owners or builders should purchase from such mail order houses all the hardware and building material entering into the construction of buildings to be erected upon the property covered by the loans. It is further announced that the same interests will loan this year the sum of \$500,000 in New York and vicinity, and \$200,000 in the city of Chicago, their plans concerning the latter city having already been announced to the public.

It is surmised with reasonable certainty that this money is not loaned from their own funds, but through banking interests with mail order house endorsements at an additional per cent. of bonus, which is made possible from the fact that the terms of the loan do not specify the price at which the building materials are to be sold, leaving the way open for the mail order houses to charge sufficient to cover this item in connection with the accommodation secured from the banking interests.

This will give an idea of the kind of competition that certain mail order houses put up. If there is any business in this country that calls for rigid and thorough government investigation, it is the mail order business as conducted by certain houses engaged therein.—"New York Lumber Trade Journal."

## SPACE FOR A SMILE.

### The Absent One.

Chairman (addressing a meeting)—I am sure we will all be very sorry our secretary is not here to-night. I cannot say we miss his vacant chair, but I do say we miss his vacant face.

The darkest hour in any man's life is when he sits down to plan how to get money without earning it.—Horace Greely.

You can't hire loyalty; you have got to deserve it.—Ex.

The finest automobile will not run when the tank is empty, and the finest space can not pull unless it is filled with copy that grips interest.—"Printer's Ink."

## Permits for New Buildings

Harry Brocklehurst (O), 512 West Norris street. Cost, \$54,200. Thirty brick dwellings, two stories, 16x45 feet, 3900 North Darren street. Cost, \$4,400. Two brick dwellings, two stories, 16x45 feet, 3900 North Darren street. Cost, \$2,200, one brick dwelling, two stories, 16x45 feet, 3900 North Darren street. Cost, \$52,200. Twenty-nine brick dwellings, two stories 16x45 feet, 3900 North Darren street.

Martin Maloney (O), 5900 Osage avenue. Cost, \$88,500. Twenty-five dwellings, brick, two stories, Fifty-eighth and Pine streets.

A. Burezel (O), Germantown, Philadelphia. W. J. Gruhler (C), 219 High street, Germantown, Philadelphia. One hundred and two residences, brick, three stories, 20x64 feet, 6037 Germantown avenue.

John C. Copestick (O), 6325 Stenton avenue. W. J. Gruhler (C), Germantown, Philadelphia. Cost, \$2,500. Dwelling, brick, two stories, 16x41 feet, 6323 Stenton avenue.

W. J. Rosenberg (O), 322 Witherspoon Building. Cost, \$3,000. Foundry, brick, one story, 22x75 feet, Frazer street and Carlton street.

Thomas Buckley (O), Kensington and Atlantic avenue. J. W. Orr (O), Bustleton and Knorr street. Cost, \$4,00. Store and dwelling, three stories, 20x40 feet. Cost, \$4,500. Store and dwelling, three stories, 20x40 feet, Kensington and Atlantic streets.

Burton C. Simons (O), 2200 South Nineteenth street. Harry Williams (C), 2334 South Twentieth street. Cost, \$143,600. Two and three-story dwellings and stores, 16x64 feet, Jackson and Wolf streets, Twenty-third and Twenty-fourth streets.

L. L. Hallman (O), Eightieth and Buist avenue. H. E. Jordan (C), 911 Franklin Bank Building. Cost, \$4,800. Four dwellings, brick, two stories, 16x40 feet, Eighty-second and Crothers avenue.

Fred Stein (O), 207 Callowhill street. George Kessler (C), Drexel Building. Cost, \$9,000. Store and dwelling, brick, four stories, 35x35 feet.

E. F. Pagan (O), 5900 North Park avenue. Cost, \$12,000. Four dwellings, brick, two stories, 16x45 feet, 5909 to 15 North Camac street.

Joseph Brook (O), 3838 Terrace street, Willsieckon. Henry Dean (C), Roxborough, Philadelphia. Cost, \$3,800. Two dwellings, two stories, 16x40 feet, Manayunk, Philadelphia.

Mrs. McMichan (O), Overbrook, Philadelphia. Alfred James (C), Bala, Pa. Cost, \$18,300. Dwelling, brick, three stories, 49x29 feet.

George Heath (O), Eighty-seventh and Batran avenue. Cost, \$2,400. Two dwellings, brick, two stories, 14x36 feet.

Fred Barfoot (O), 1614 Wakeling street. A. Ahlens (C), 3425 Howell street. Cost, \$8,000. Two dwellings, brick, 16x57 feet, three stories, Leaper and Wakeling streets.

There are two ways of doing business. One way is to sit around idle and damn the tariff. The other is to subscribe to Daily Building News, carry an "ad" in "The Guide" and ride in taxicabs.

The short cut to success in any line is to get your proposition before people likely to be interested in what you have to offer. In the building line "The Builders' Guide" supplies this "shortcut."



## Architectural Notes.

The beautifying of street corners by ornamental posts of stone or concrete has developed to such an extent in the outlying sections of Los Angeles that practically every newly opened tract has its distinctive landmarks. Sometimes they are really useful, as in the case of the Mission style resting place, furnished with benches and a shelter from sun or rain, a convenient place for the suburban resident to wait for his car. This one is in an architectural style which conforms to many of the homes in that section.

Another one is at the entrance to Arden avenue, and consists of two shelters built of large cobblestones and cement. These resting places are furnished with a rustic fountain and drinking cups, as well as benches for the tired commuter. They support a rustic arch that spans the thoroughfare and carries an electric light and a large street sign—a very useful idea for the suburbs.

\* \* \*

On the "King's Highway," the old road between the California missions, mission bells on artistic corner posts are placed at corners in the cities to mark its route.

Still other corner ornaments are merely odd, such as the cobblestone column, which reminds one of the structures built of oranges seen at agricultural exhibits; while the "castles" of concrete blocks, which make the sparsely settled tract look like a giant's chessboard, are not only grotesque, but positively detrimental, for it will be noticed that these "castles" span the sidewalk, and a better lurking place for highwaymen, than their dark interiors could hardly be devised.—"Municipal Journal."

\* \* \*

Each new hotel built in New York has tried to introduce some novel feature which should be characteristic of the building and which would act as a sort of trademark. In practically every one built up to the present time this endeavor has taken the form of added richness, a sort of attempt to out-Herod Herod, and perhaps in no palace of the old world has been such profusion of costly marbles, such intricate and wonderful carving and such a wealth of gold leaf used as in some of our later hotels.

The Vanderbilt Hotel, Warren & Wetmore, architects, has tried to make a novelty in really a novel way, not by terrific expense, but rather by using simple materials in an artistic manner and by combining them into color schemes of such loveliness that the on-

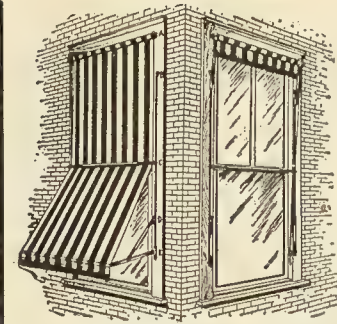
looker sees only the excellence of the scheme and does not for a moment consider the cost. The style chosen, too, is a reversion to simplicity after the exuberant magnificence of the styles of Louis XIV and XV in which most of our big buildings have been treated, and to find the simple elegance of the late English renaissance used comes as a refreshing surprise. Not less astonishing is to see the marbles and granites of the other hotels replaced by a material so simple and common as terra cotta. But the general public seems to be discovering what the architects knew long ago, that the materials used are secondary and that it is the intelligence with which they are used that counts.

\* \* \*

The exterior was long watched with curiosity and, it must be confessed, with some apprehension by the profession. It did not seem possible that the dull gray brick chosen for the main body of the building could ever appear sufficiently cheerful and comfortable for a hotel exterior. Now, however, the white window trim, the warm ivory of the terra cotta, and, best of all, the gold colored lanterns and other metal work, have made the exterior gay and bright without being gaudy or overdone; although with the darkening of the whole color scheme, inevitable under the action of the elements, the original objection will obtain. At any rate, the building has a color scheme which has been carefully thought out, and this is more than can be said of many other of our large buildings.

The treatment of the architecture of the exterior is, perhaps, the most interesting of any hotel in New York, although whether it is universally admired or not is another question. The roof line is somewhat broken and uneasy, perhaps no more than is needed to differentiate it from the excessively dull silhouettes of the mansard roof style such as Rector's and the Astor. But the superb treatment of the lower two stories more than atones for the roof. The scale is kept very small, as is essential in a building to be seen from the street, and a simple and lovely cornice of a neo-Adam style crowns the lower stories. The windows have wonderful terra cotta fan-shaped plaques above them and at the center of the Park avenue side an interesting marquise of unique pattern covers the entrances.—"Architecture."

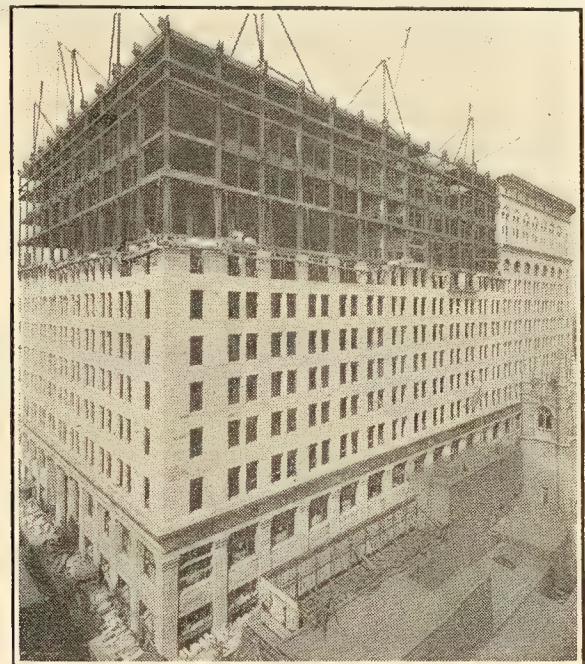
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### MORE OR LESS PERSONAL.

Aymar Embury, architect, 1133 Broadway, New York City, will move May 1 to 132 Madison avenue.

\* \* \*

O. C. Herring, architect, 1 West Thirty-fourth street, New York City, will move May 1 to 132 Madison avenue.

\* \* \*

Douglas Fitch, architect, 1 West Thirty-fourth street, New York City, will move May 1 to 132 Madison avenue.

\* \* \*

Joseph Putzel, architect, formerly of Cleverdon & Putzel, has removed his office to 29 West Thirty-fourth street, New York City, where Alfred Freeman, architect will be associated with him.

\* \* \*

John B. Snook Sons, architects, now at 73 Nassau street, New York City, will move their offices on May 1 to the Smith-Gray Building, 261 Broadway, where they were located for ten years prior to 1906. John B. Snook Sons are one of the oldest, if not the oldest, firms of architects in New York and were previously located at 12 Chambers street, from 1837 to 1896.

\* \* \*

Harry Goodstein, the builder, has removed his offices to 42 Broadway, New York City.

\* \* \*

Charles A. Andres, formerly of the Contract Department of the George A. Fuller Company, is now connected with the Hale & Kilburn Company, 30 Church street, New York City.

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CHOOSE **Strawbridge & Clothier**  
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ROOF SLATE**

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### TRIFLES LIGHT AS AIR.

The most trifling actions that affect a man's credit are to be regarded. The sound of your hammer at five in the morning, or nine at night, heard by a creditor, makes him easy six months longer; but if he sees you at a billiard table, or hears your voice in a tavern, when you should be at work, he sends for his money the next day.—Benjamin Franklin.

### MOTHER GOOSE SWATRAINS.

There was an old woman who lived in a shoe, She had so many flies she didn't know what to do.

She swatted and swatted and mashed them all flat,

Exclaiming: "Now, whaddoyouknowabout that!"

—“Chicago Tribune.

The trouble with some advertising is that it is like the conversation of certain people—it never says anything.—“Novelty News.”

An advertisement should stick out like a sore thumb without being so sensitive.—“Novelty News.”

### THERE'S ONLY ONE WAY.

A man may guy,  
And a man may lie,  
And a man may puff and blow;  
But he can't get trade by sitting in the shade,  
Waiting for business to grow.

Some people quit advertising during the dull season. No wonder it's the dull season.—“Dealers' Building Material Record.”

### THE COST OF SOLOMON'S TEMPLE.

Few people, even in these days of palmy extravagance and millionaire displays, have any adequate impression of the cost of the great temple of Solomon. According to Villapandus, the “talents” of gold, silver and brass were equal to the enormous sum of \$34,399,111,000. The worth of the jewels is generally placed at a figure equally as high. The vessels of gold, according to Josephus, were valued at 140,000 talents, or \$2,876,481,015.

The vessels of silver, according to the same authorities, were still more valuable, being set down as worth \$3,231,720,000. Priests' vestments and robes of singers, \$10,050,000; trumpets, \$1,000,000. To this add the expense of building materials, labor, etc., and we get some wonderful figures. Ten thousand men hewing cedars, 60,000 bearers of burdens, 80,000 hewers of stone, 3,300 overseers, all of whom were employed for seven years, and upon whom, besides their wages, Solomon bestowed \$73,669,850. If their daily food was worth fifty cents each, the sum total for all was \$319,385,440 during the time of building. The materials in the rough are estimated at \$12,726,685,000.—“Brush and Pail.”

Boost your home town! And remember there's no better way to do this than to carry space in the home trade paper.



## Trade News and Gossip

Cullings from the Week's News, with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

\*\*A new character of building tile is the latest product of the Suburban Brick Company, of Wheeling, W. Va. The company has been working on this new proposition for several months, and comment made among Wheeling contractors is that it is a "much needed material."

\*\*The annual report of the National Fireproofing Company shows that the corporation is in the front rank of the clay product manufacturers, and that the concern has taken the lead in the promotion of the use of this material for even small home construction. During the last year the company has started a mammoth plant at Hamilton, Ont., Canada, and enough business has been booked for this new property to keep it in active operation throughout the season.

\*\*At the annual meeting of the Alliance Clay Products Company, held recently at Alliance, Ohio, the following officers were elected for the coming fiscal year: President, B. F. Weybrecht; vice-president, John Eyer; secretary-treasurer and general manager, James B. Wilcox. The board of directors remain as heretofore. An 8 per cent. dividend was declared and an increase of 37½ per cent. in efficiency of the plant was reported by the management over the records of the last two years.

\*\*The H. W. Johns-Manville Company, 100 William street, Manhattan, received bids on the general contract about April 5 for the \$1,000,000 manufacturing plant (asbestos and roofing) which they will erect this summer at FINDERNE, near Bound Brook, N. J. H. J. Esser, in care of the company, is architect and engineer.

\*\*The Toronto Fire Clay Company has opened an office in the Oliver Building, Pittsburgh, where all the lines of face brick of this company are shown. The office is under the management of T. P. Cuthbert, formerly of Philadelphia, and a well-known face brick salesman.

\*\*The Sun and The Bite, two of the oldest taverns in Boston, are soon to be demolished. The Sun was erected in 1690. Both stand in Dock Square, under the shadow of Faneuil Hall. A modern brick building will replace them.

\*\*After two months of idleness, the plant of the Ridgeway Brick Company, at Ridgeway, Pa., has resumed operations, and as a result over 100 men have been given employment.

\*\*With a capital stock of \$15,000 the St. Marys Brick Company, of St. Marys, Ohio, has been formed by J. W. Sullivan and his associates.

\*\*New York is now the second largest Italian city in the world, and the third largest Russian city. In terms of percentage the population in 1910 was 15.72 per cent. British;

15.19 per cent. of Russian birth or parentage; 12.74 per cent. German; 11.16 per cent. Italian; 8.35 per cent. Austro-Hungarian; 1.97 per cent. Scandinavian; 13.49 per cent. of mixed foreign or mixed native parentage; 19.33 per cent. native whites of native parentage; 1.92 per cent. negro, and .13 per cent. colored. The statistics are taken from a report by the New York Federation of Churches.

\*\*The General Refractories Company, which is the owner of the brick plant at Phillipsburg, Pa., and which was recently destroyed by fire, will rebuild the property, with more modern machinery, and thus create a greater output.

\*\*The dwelling which was the last city home of Horace Greeley is still standing at 35 East Nineteenth street, New York City. This and the adjoining building, No. 37, are the only old houses left in the block, and they have both been altered for business purposes. Another building has replaced the house at 126 West Twenty-second street, in which General Winfield Scott spent his last years. George Bancroft's old city home at 17 West Twenty-first street has also been removed. The constant reconstruction going on in New York obliterates in time every private dwelling to which future generations could point and say that there lived a notable citizen, a great celebrity. In the country, homesteads often survive through many generations, but in old New York the average duration of a building has been scarcely one generation.

\*\*The Women's Educational and Industrial Union of Boston, desiring a new seal to be used for official purposes and on printed matter, offers a prize of \$50 for a suitable design. This will be chosen in an open competition, details concerning which may be had by addressing the Secretary of the Union, 264 Boylston street, Boston, Mass.

\*\*Plans have been completed for the doubling of the capacity of the Glass Brick Company, of Connellsville, Pa., the general offices of which are in the Keystone Building, Pittsburgh. It is contended that while additional working capital is required, and that the working forces of the plant will be increased, the company has a market for over fifty million glass brick annually. Charles B. Lawton, president of the company, with offices in Connellsville, asserts that the glass brick is fast taking the place of the enameled brick from a building and wall face point of view.

\*\*A bill presented in the New Jersey State Assembly provides for the appointment of a state architect at a salary of \$7,500 a year. This bill has received the approval, it is stated in the daily press, of the New Jersey State Chapter of the Institute.

\*\*The Sharon (Pa.) Clay Products Company, which recently took over the plant near Pittsburgh of the Rose Brick Company, has been

granted an Ohio charter, the company having a capital stock of \$30,000. The plant will be placed in operation within thirty days. The main office of the company will be maintained at Sharon. The contract for the machinery, which is worth \$11,000, was awarded to the Bonnot Company, of Canton, Ohio. The capacity of the plant will be between sixty and seventy thousand common and face brick per day.

\*\*The Blaw Steel Centering Company, Westinghouse Building, Pittsburgh, Pa., offers prizes for plans and specifications for small concrete residences, as follows: \$100, first prize; \$75, second prize; \$50, third prize; \$25 each for three sets of plans selected as next in order of merit. The competition will be conducted under the rules of the American Institute of Architects and is open to all. For further particulars address the Blaw Steel Centering Company, as above.

\*\*Pittsburgh face brick manufacturers are much interested in the formation of the new Face Brick Manufacturers Association, recently completed at Columbus. This organization will have nothing to do with the Building Brick Association, for the former association will have to do with the transportation tariffs of brick and matters of such like. The Building Brick Association will, on the other hand, continue to promote the use of brick as a construction material. All the larger face brick manufacturers in Western Pennsylvania have signified their willingness to become associated with the new organization.

\*\*Announcement has been made that the officials of the Clearfield Brick Manufacturing Company, at Clearfield, Pa., will withdraw and pay off twenty-five \$100 and and forty-nine \$500 bonds, totaling \$27,000, April 1. The bonds will be paid upon presentation to the Clearfield Trust Company, of Clearfield, Pa., which corporation is trustee under the issue.

\*\*Spiers-Lederle Glass Company.—Richard N. Spiers announces that he has moved his place of business from 850 to 900 Sixth avenue, corner of Fifty-first street, New York, and has secured the co-operation of Louis J. Lederle, an artist, late of the Tiffany glass department.

\*\*Lehigh Valley Structural Steel Company has recently opened a New York office at 620-630 West Twenty-fifth street, to facilitate the handling of New York and New England business.

\*\*Richard D. Kimball Company, 6 Beacon street, Boston, Mass., mechanical, electrical and sanitary engineers, have opened a branch in Buffalo, N. Y., 1011 Mutual Life Building. Mr. Fletcher H. Burke is manager.

\*\*Stockholders of the American Hardware Corporation held their annual meeting February 28 in the offices of the P. & F. Corbin division, New Britain, Conn. Immediately following the stockholders' meeting, the directors who were elected repaired to the sumptuous new executive offices of the concern in the Stanley residence at the corner of Park street and Franklin Square, and the

(Continued on page 252.)



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PHILADELPHIA, PA., APRIL 10, 1912.

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## THE ENGLISH POINT OF VIEW AND ITS INFLUENCE ON COUNTRY HOUSE PLANNING.

In an article on "The English Point of View in Architecture," printed in the April number of "Arts and Decoration," Mr. C. Matlack Price chats rather entertainingly upon his view of what constitutes one of the reasons why English architects display greater originality in country house planning than do their American cousins. The basic reason, Mr. Price concludes, is to be found in the difference between the American and the English points of view. The American is, in home planning, inclined to a certain timidity that balks at the new and untried. He hesitates to go in for the picturesque because his neighbors have not done so and would much sooner risk the commonplace than incur the ridicule of those about him. The Briton is antipodally different. Reared to regard his home as his castle—something as much a part of himself as his individual idiosyncrasies he is disposed to plan it to suit his own, personal ideas quite regardless of the canons of taste, Mrs. Grundy, his neighbors, the Royal Institute or anything else.

"In the practice of architecture," writes Mr. Price, "this fearless and splendidly self-assured point of view has made possible the evolution of a type of country house the like of which, if our present timidity and self-consciousness endure, we will never see in America. It must always be remembered that architects, as a class, are not entirely responsible for our architecture, inasmuch as they are coerced at every turn by the requirements and restrictions imposed upon them by their clients, and worst of all, by the indirectly delivered advice and opinions of their clients' friends. Let us take an English country house of that ideal type about which women enthusiastically rhapsodize, and which any man who prizes an unique and personal habitation must perforce consider as the home he most desires. It has a quaint, rambling plan (well adapted to future enlargement), with a wing thrown out a slanting angle from the main house. The roof line is varied and diverse, following the interior planning of the house—here low and there high, with an infinity of varied pitch and unexpected angle, differing at every different visual slant of the observer. The windows and chimneys are of the same unexpected sort, and are picturesque because they occur wherever the rooms inside call for them, as the house is designed first from the inside, its exterior must naturally show unexpected features of a sort impossible to design externally, for superficial effect. Furthermore, the windows are almost always of the casement type, with small, leaded panes—a type of window admired by the average American home builder as much as it is shunned. Everywhere on the English house are charming and quaint surprises—a vertical sun dial let into the wall; a low, hooded door giving on a flagged terrace, a hand-wrought lead or copper leader-

head for the rain pipe, or a riot of odd little windows in a cluster. All these contribute to the general impression that the house is more than a mere house, and must be the home of a person of individuality. Inside the house is pervaded by the same feeling. There are ingle nooks and window seats, and quaint stairways, and at some unexpected place a great oaken beam may run across a room or overhead in a passage. The house is a thing of continual charm—of a charm so diverse that the dweller beneath its roof never grows tired, while his guest may stay a week without discovering all its nooks and corners."

Mr. Price draws an amusing picture of what usually happens when an American gets the idea of having a house built on these lines. Just as soon as the preliminary sketches are ready these must be shown to his friends.

"What a funny roof! I'm sure you won't like that. Far too eccentric. That roof is a perfect jumble. Your architect must be crazy. A few of these sapient comments from his friends (that omniscient jury which nearly every American elects to pass on matters of which he might better be his own law) effectively dispose of the interesting roof, and the builder makes a note to direct the architect to make one just like the roofs of his friend's house. So it goes with the quaint windows and picturesque chimneys. His wife 'adores' casement windows, but one of her friends tells her that they are draughty and hard to keep clean, and easily forced by burglars. Consequently the ordinary type of American double-hung window is installed, a window no less draughty, even if a little easier to clean, and a window which is more easily forced than any other type. Another friend tells him the chimneys will not draw. He imputes this to the fact that they are designed from a picturesque point of view, and makes a note to have them changed to ordinary chimneys. All the remaining features which made him originally admire the house are eliminated, one by one, by his assiduous friends, who are determined that he shall not be disappointed in his house. In the interior he is convinced that varying floor levels will not be practical, that he does not actually need a winding stair to his library, and that the great oak beam across the hall will 'look funny,' and might better be of concealed iron.

"With these few changes, which seem to him very trivial, he returns to the architect and explains. If the architect has built many country houses, he remains silent, taking notes.

"The work proceeds (if the client has not been effectually discouraged by his friends from the whole idea of building) and the house is erected. The client feels a little disappointed as he visits the building from time to time, but trusts that the finished house will be to his liking; doubtless it will, he reassures himself, remembering the volume of excellent 'practical' advice he has had from his good friends.

"It is finished, and he is aware of a keen disappointment. He is very likely to wave the original drawing in the face of his architect,



asking why he has not followed the idea more closely. The architect may point out in a mild way, that every salient feature in the original sketch was ordered changed in the finals, to something safe, conservative—and commonplace. The two are never good friends after this interview, and the owner of the house lives in it unhappily ever afterward, deriving what satisfaction he may from telling his friends in detail what a stupid idiot he was unfortunate enough to employ as an architect, while the friends, who are actually more than half responsible for the house, find an equal amount of pleasure in consoling him with the information that it might have been worse if it had been left entirely to the architect.

The moral—which is plain—is easily formulated in the statement that if we consistently adhered to our honest personal desires, and consulted rather than coerced our architects, we might look forward to the evolution of a country house comparable in esthetic and picturesque values with the work of the English architects."

### THE BUILDING OUTLOOK—GAINS SHOWN BY MARCH, 1912, OVER 1911 FIGURES.

Enough is now known of important structural undertakings, planning and in prospect, to warrant the view that 1912 will mark a higher level of prosperity in the building trades than either 1911 or its immediate predecessor. Preliminary March returns of building expenditure as reported to Bradstreets,—eighty cities represented,—show not only a considerable gain over February, but a moderate increase over March, 1911. The total expenditure during February was reported at \$27,479,920. The figures for March are given as \$50,799,955. March, a year ago, totalled \$48,568,328, showing a gain in 1912 over 1911 of nearly two million and a quarter—or 85 percent over February and 4.5 per cent. over March, 1911. The gain here noted is confined to a comparatively small number of cities, only thirty-one out of eighty contributing, whereas forty-nine cities show decreases from March, 1911. New York, San Francisco, Minneapolis and Pittsburgh are among the cities which show notable gains. Builders expect the year to be an unusually active one here in Philadelphia.

If your competitor is cutting in on you, and he is advertising, follow suit. If he isn't advertising get the lead on him by letting the trade know you are still a factor. In either case—advertise.

Are you aware that "The Guide" prints every week more real, live, readable, up-to-the-minute stuff about architecture and building than any two of its more pretentious contemporaries? Fact, just the same. Compare 'em and see.

Do you think it is "good business" to indirectly in the building field.

### ANNUAL MEETING OF THE PENNSYLVANIA STATE ASSOCIATION, A. I. OF A.

As this number of the "Guide" goes to press, the Pennsylvania State Association of Architects is convening at the Engineers' Club, 1317 Spruce street, Philadelphia. "Improvement in Building Construction" is down for discussion by Chief Clark, of the Philadelphia Bureau of Building Inspection; Glenn Brown, of Washington, secretary of the American Institute of Architects; F. C. Baldwin, of Detroit, second vice-president of the A. I. of A.; Robert D. Kohn, of New York City; B. J. Newman, Powell Evans and Andrew W. Crawford, of Philadelphia, and Freas Styer, of Norristown. The "Guide" begs to extend a cordial greeting to the visitors with an invitation to make the "Guide's" offices their headquarters while in the city. Mr. D. Knickerbocker Boyd, of Philadelphia, is president of the State Association.

### ARCHITECTURAL NOTES.

The fourth annual meeting of the Pennsylvania State Association assembled yesterday, April 9, previous yearly meetings having been held in Harrisburg and Pittsburgh.

Sessions were conducted in the morning and afternoon, at the Engineer's Club, 1317 Spruce street.

The morning session was devoted to routine business, election of officers, at which only delegates from different chapters were present.

The afternoon session was given over to a discussion on "Improvement in Building Construction." Officials and prominent authorities who made addresses on the subject were Chief Clark, of the Bureau of Building Inspection; Glenn Brown, of Washington, the secretary of the American Institute; Robert D. Kohn, of New York; Bernard J. Newman, secretary of the Philadelphia Housing Association; Mr. Powell Evans, the authority on fire prevention, and Mr. Andrew Wright Crawford, the secretary of the art jury. In addition to these persons four or five new commissioners to revise the building laws of Pennsylvania were present, and of these addresses were made by Mr. Charles A. Hexamer, of Philadelphia, and Mr. Freas Styer, of Norristown. Members of the Engineer's Club and of the Master Builders' Exchange were present at the afternoon session.

At 6.30 o'clock in the evening the Philadelphia Chapter gave an informal dinner to the State Association and to all visiting members of the Pittsburgh and Southern Pennsylvania Chapters and other architects from various parts of the State at Kugler's restaurant, 1412 Chestnut street, Philadelphia. At the conclusion of the dinner addresses were made by officers of the institute and by other distinguished persons. Among these were Walter Cook, of New York, the president of the American Institute; Glenn Brown, the secretary of the institute; F. C. Baldwin, the

second vice-president; Edward Storz, of Pittsburgh, vice president of the State Association; John Hall Rankin, the president of the Philadelphia Chapter; B. F. Willis, of York, Pa., the acting advisory architect to the State Board of Education; Frank Miles Day, M. B. Medary, Jr., and others. Mr. D. Knickerbocker Boyd, the president of the Pennsylvania Association, acted as toastmaster. Mr. Edmund C. Evans, Witherspoon Building, Philadelphia, was chairman of the Dinner Committee.

A detailed report of the proceedings will be a feature of the "Guide" of April 17.

### ATTRACTIVE FEATURES FOR COMING NUMBERS OF "THE GUIDE."

"The Guide" announces for publication in a coming number a paper on Wall Boards prepared by a contributor who has made himself familiar with the various makes of this interesting material and the special adaptabilities of each. This paper will be judiciously illustrated and is one of a number of articles similar in character which are scheduled to appear in "The Guide" covering various materials and devices used in building construction. Manufacturers of metal and composition roofing, roofing tile, heating systems, building tile, architectural terra cotta, vault-lighting systems, ventilating apparatus, blower systems, etc., are requested to furnish literature descriptive of their several products for use in the preparation of this series of papers. Address Editorial Department, Builders' Guide, Perry Building, Philadelphia.

### JUST LIKE OLD CAESAR DID!

"When Caesar took a westward ride and grabbed the Gauls for Rome, what was the first thing that he did to make them feel at home? Did he increase the people's loads and liberty forbid? No, he dug in and built good roads—that's what old Caesar did. Did Caesar put the iron heel upon the foeman's breast, or did he try to make them feel the Roman rule was best? What did he do to make them glad he'd come their midst amid? He built good roads in place of bad—that's what old Caesar did. He built good roads from hill to hill, good roads from vale to vale; he ran a good roads movement till old Rome was strong and hale. He told the folks to buy at home, built roads their hills amid, until all roads led up to Rome—that's what old Caesar did. If any town would make the town the center of the map, where folks will come and settle down and live in plenty's lap, if any town its own abodes of poverty would rid, let it get out and build good roads—just like old Caesar did."—"Good Roads."

The man that doesn't advertise nowadays is a barnacle. And he ends up like a barnacle by being scraped off.



## Important to Builders

As soon as the frost is out of the ground you will start that building operation, for which plans have been drawn during the winter months. If you have not included Electric wiring in your specifications—whether the properties are to be used for dwelling or business purposes—you have made a mistake which will cost you money. Electrically wired properties rent and sell twice as quickly as the unwired properties. If you don't believe that, ask the other builders.



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## LETTERS TO THE EDITOR

### A CATHEDRAL CHURCH FOR PHILADELPHIA.

Editor "Builders' Guide."

Dear Sir: I wish to use your publication as a medium for the inception of a movement having for its object the creation of a fund for the erection of a Cathedral building for Philadelphia.

My reason for asking you to publish these thoughts is that those interested in architecture and building can be more surely reached than through the medium of the daily papers, and by first interesting the architects and builders the general public may be more readily reached.

This question of a Cathedral building was brought to the attention of the public some months ago, when the Church of the Advocate, Eighteenth and Diamond streets, and the residence of the late Bishop Mackay-Smith, were both mentioned as suitable for this distinction. These projects have apparently been abandoned, those interested evidently recognizing the need of a new building that would in size, location and architecture, be more suitable for the purposes for which it is required.

In looking back over a period of twenty years or more at what has been accomplished in church building in this country, the most conspicuous example is the Cathedral Church of St. John the Divine, in New York City. This building may not be completed for several years to come, will have cost several millions of dollars, and no doubt will be the most notable example of church architecture of the century in this country.

Among other examples of recently erected Cathedrals, are those at Halifax, Nova Scotia and Los Angeles, Cal.; these ambitious structures have been erected by small communities, small as compared in population and wealth to the Diocese of the Eastern District of Pennsylvania.

The city of Liverpool, England, is engaged at the present time in building a Cathedral Church, and while we recognize the importance and wealth of the city of Liverpool, and also the fact that this building may be financed by the State or at least receive some State aid, and also that a greater proportion of the people are communicants of the Protestant Episcopal Church in Liverpool than there are in Philadelphia, yet the thought presents itself, why, with the present wealth of our citizens, and the incentive supplied by the historical associations connected with the Protestant Episcopal Church in Philadelphia, we are unable to impulse a movement toward the erection of a Cathedral building worthy of the great State of Pennsylvania.

The question of financing this project should not be such a serious matter, and while there are several communicants who are millionaires, and many others who are wealthy, yet the building of such a structure should appeal

to others not directly connected with the Protestant Episcopal Church.

My reasons for believing that financial aid would be forthcoming from other than members of the Protestant Episcopal Church, are supported by the knowledge that a church building to be called a Cathedral, would be an anomaly, if built by other than either of the two Apostolic Churches, and the Protestant Episcopal Church, representing as it does most intimately, the traditions and history of the Anglo-Saxon and to some extent the Teutonic races, from whom seven-tenths of our present population owe their origin, would no doubt attract the attention of members of others denominations, and by reason of the sentiment aroused cause them to contribute to this object.

From the architectural standpoint we should not be compelled to go outside our own city to obtain the talent necessary to design a suitable building, while our local architects have to my knowledge never built an ecclesiastical structure approaching in magnitude the building here required, yet this has been caused by lack of opportunity and not dearth of talent.

To the person who will give a little thought to this subject the surprising part will be that such a building was not started years ago.

When one stops to think that this is the richest era known to civilization, this community comprising the eastern portion of Pennsylvania being intrinsically the wealthiest portion of the world to-day, one wonders why the people cannot have a magnificent Cathedral building the same as much smaller communities are engaged in erecting.

Philadelphia and conservatism are synonymous, yet one can hardly call the absence of a Cathedral building conservatism, it rather indicates a lack of public spirit on the part of its wealthy and well-to-do citizens.

Let us therefore start a movement for such a building, and all the people be invited to contribute their mite toward a fund for the erection of a Cathedral Church, a building that will embody and express their belief in Christianity and as a memorial to their age and origin, an origin that in a few short years may be obscured in the multiplicity of cosmopolitan marriages.

Let us erect a building that will survive through the ages, as the Cathedrals of Europe have survived, to show to posterity what can be accomplished by the present day architects and artisans.

Very truly yours,

S. E. WATERS,  
Rosemont, Pa.

For every "one" man you can mention who has succeeded without advertising we'll agree to name ten whose greater success has been due to advertising "direct." Moral Advertise!





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**SPARKS FROM THE FIRE WASTE.**

The fire waste of the country is excessive, and is sapping its prosperity. Reduction of the fire waste is an important part of the campaign for the conservation of the national resources.

Fire losses in the United States and Canada in 1911 were \$234,337,250, most of them due to carelessness.

Fire losses in January of 1912 were a million dollars a day, 50 per cent. more than for the same month last year.

Fire losses and the cost of fire prevention in the United States amount annually to \$450,000,000, or more than the total American pro-

duction of gold, silver, copper and petroleum in a year.

The cost of fires each year is one-half the cost of all the new buildings erected in a year.

The annual per capita fire waste in the United States is \$2.51, in Europe 33 cents. Cause: The latter has better construction, less carelessness, increased responsibility.

If buildings in the United States were as fireproof as in Europe, the annual cost of fire losses and protection would be only \$90,000,000.

New York City spends \$10,000,000 a year for fire extinguishment and \$15,000 a year for fire prevention.

Of 4,234 known causes of fire in Chicago

last year, 1,121 were due to the careless use of matches. Nearly ten thousand matches are scratched every second of the day in this country, every one a possible fire.

Over five thousand are killed and 50,000 are injured annually as a result of fire.

The proportion of insurance capital to insurance liabilities is very much on the decrease. In the past forty years the liabilities have almost doubled, while only \$5,000,000 more capital was invested in the business in 1911 than in 1870.

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### SEALED PROPOSALS

TREASURY DEPARTMENT, OFFICE OF the Supervising Architect, Washington, D. C., April 1, 1912.—Sealed proposals will be received at this office until 3 o'clock P. M. on the 13th day of May, 1912, and then opened, for two electric passenger elevators, two hydraulic lifts and pumping plant in the reconstruction of the U. S. Post Office, Court House and Custom House at Richmond, Virginia, in accordance with the drawings and specifications, copies of which may be obtained at this office at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect.

TREASURY DEPARTMENT, OFFICE OF the Supervising Architect, Washington, D. C., April 6, 1912.—Sealed Proposals will be received at this office until 3 o'clock P. M. on the 18th day of May, 1912, and then opened, for an electric passenger elevator in the United States post office, Oklahoma City, Okla., in accordance with the drawing and specification, copies of which may be obtained at this office at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect.

### REAL ESTATE TRANSFERS.

Summary for week ending April 6, 1912:

Number of transfers .....	571
Amount of transfers .....	\$1,550,665
Cash consideration .....	444,665
Mortgage consideration .....	1,106,015
Ground rent consideration .....	5,733
Which on a 6 per cent. basis amounts to .....	95,550.01

### MORE OR LESS PERSONAL.

Franklin A. Smith, Jr., president of the Producers' Lumber Company, and a former president of the Lumbermen's Exchange, is making quite a record for himself as a member of Common Council from a West Philadelphia ward in which he resides.

\* \* \*

Herman Lee Meader announces the opening of offices at 178 Fifth avenue, New York City, for the general practice of architecture.

\* \* \*

Robert N. Cleverdon, architect, 41 Union Square, will remove to 4 East Forty-second street about April 1.

\* \* \*

Trowbridge & Ackerman, architects, of 118 East Twenty-eighth street, will move their offices on April 1 to 62 West Forty-fifth street.

If you like the work we are doing to make "The Guide" a truly representative structural trades organ, take the trouble to write and say so. A word of encouragement helps a whole lot sometimes.

## TRADE NEWS AND GOSSIP.

(Continued from page 247.)

new office building was formally opened with a meeting of the directors, at which officers for the ensuing year were chosen. The following were elected to constitute the board of directors for the corporation for the coming year: Charles M. Jarvis, Andrew J. Sloper, Charles H. Parsons, Charles Glover, Sylvester C. Dunham, Frederick P. Wilcox, Chas. Miller, Benjamin A. Hawley, Carlisle H. Baldwin, James S. Elton, Henry H. Peck, Charles F. Smith and L. F. Robinson. The members of the board of directors then repaired to the president's office in the new executive building, and there held their meeting for the election of officers. The result of this election follows: President, Charles M. Jarvis; first vice-president, Charles H. Parsons; vice-president, Charles Glover; vice-president, Benjamin A. Hawley; vice-president, Carlisle H. Baldwin; treasurer, Charles E. Wetmore; assistant treasurer, Isaac D. Russell; secretary, Andrew J. Sloper; assistant secretary, Charles B. Parsons; purchasing agent, A. N. Abbe.

### INCREASING YOUR BUSINESS.

There are only two ways you can increase your business; you must either get new customers, or get more business from old customers.

There are only two ways to get new customers; either sell them what you already have to sell, or provide something else for them to buy.

There are only two ways of getting more business from old customers; sell them more of what you are now selling them, or sell them something you are not now selling them.

Advertising brings new customers for what you already have to sell. It often causes you to improve your product or the varieties of your goods, and so extends your business. It causes old customers to buy again, to speak of your wares to others, and to buy other things from you. It forces you to consider how your proposition compares with that of your competitors, and so lets in new ideas and policies, all making for a larger and more successful business. It makes you build up the efficiency of your selling force to take care of the new business, and in turn helps to develop the old business.

At every point, then, advertising helps business. It seldom gets credit for all the influence it has in a business, but it is the real cause of a great deal of fundamental improvement in all parts of a business.—"Batten's Wedge."

\*\*George W. Tillson, consulting engineer to the president of the Borough of Brooklyn, delivered a lecture on "Comparison of Pavements," at Columbia University on March 11, in connection with the graduate course in highway engineering. John R. Rablin, chief engineer of the Metropolitan Park Commission, of Boston, lectured on "The Construction and Maintenance of Park Roads," on March 15.

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Your salesman would consider himself fortunate to get **ONE TEN-MINUTE INTERVIEW** with a busy architect **IN THREE MONTHS**. We **REACH** and **TALK DIRECT** to men of this calibre **FIFTY-TWO WEEKS IN THE YEAR!**

Make your advertising attractive. Change it now and then. Run a cut in occasionally to lighten up the monotony of raw type. Have something worth saying to fire at your readers. It may cost a trifle more to do it this way, but it pays in the end. And when advertising pays—it pays big.

Mention "The Builders' Guide."



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United Brick and Clay Products Co.,  
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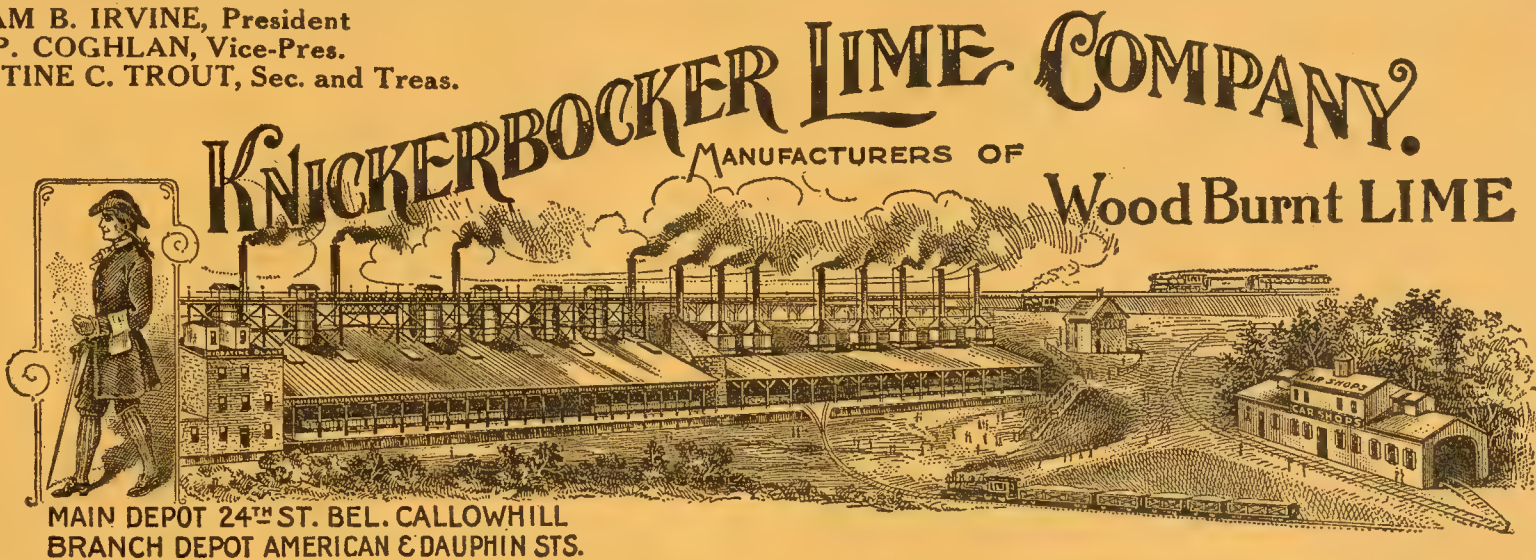
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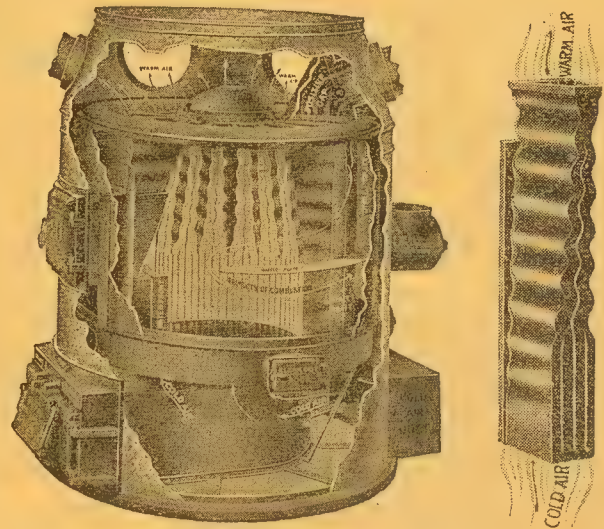
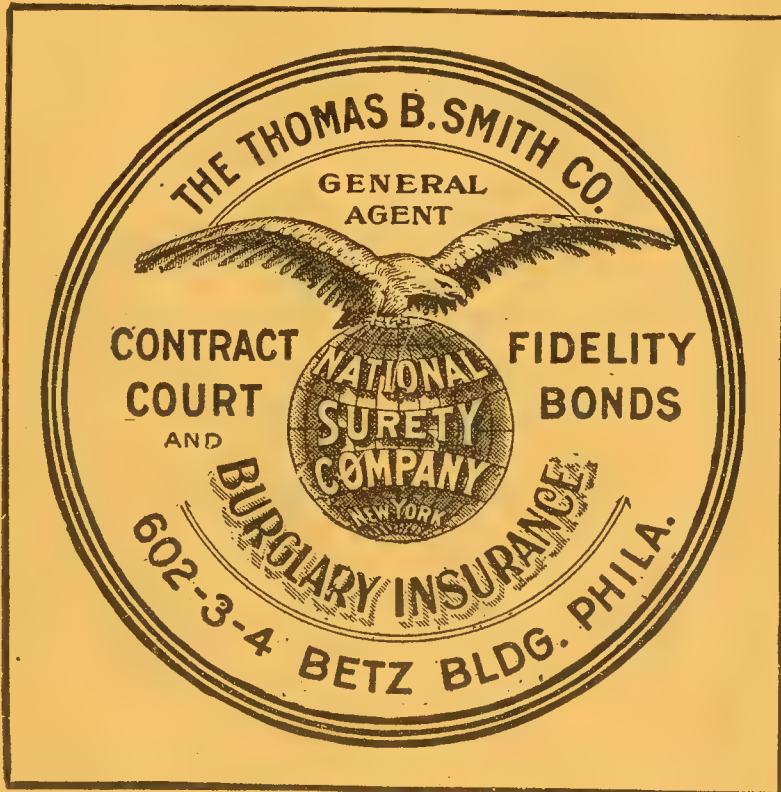
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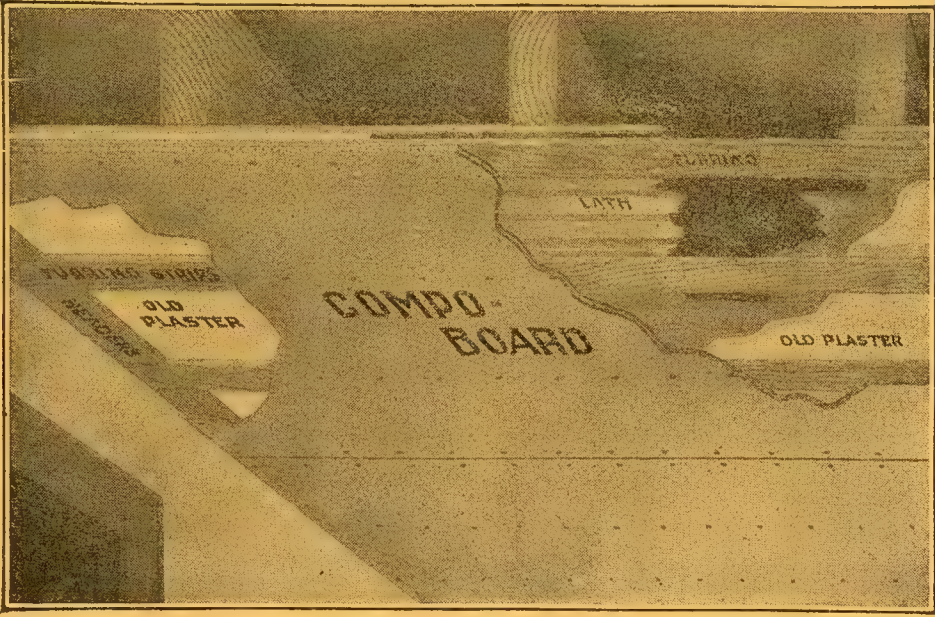


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PHILADELPHIA, WEDNESDAY, APRIL 17, 1912.

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## Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Residence (alt. and add.),** Huntington, L. I. Architect, H. Edwards Ficken, 10 West Twenty-second street, New York. Owner, Colonel Elverson, Inquirer Building, Philadelphia. Frame, three stories, electric lighting, shingle roof. Architect taking bids, due April 15th. Stacey Reeves & Sons, 1611 Filbert street, are figuring.

**Power House,** West Conshohocken, Pa. Architect, H. L. Reinhold, Tenth and Sansom streets. Owner, Dr. S. Elizabeth Winter, care of architect. Stone, one story, slate roof. Plans in progress.

**Bungalow,** Stone Harbor, N. J. Architect, H. L. Reinhold, Tenth and Sansom streets. Owner, William Richter, 109 South Eighth street, Philadelphia. Frame, two stories, shingle roof, electric lighting. Plans in progress.

**High School,** Coatesville, Pa. Architect, H. L. Reinhold, Tenth and Sansom streets. Owners, Board of Education of Pottsville. Concrete, fireproof, three stories, slate roof, electric lighting, steam heating. Plans in progress.

**Residence,** Haverford, Pa., Gulf road and Avon road, \$18,000. Architects, DeArmond, Ashmead & Bickley, 618 Chestnut street. Owner, A. A. Hirst, 211 South Sixth street. Stone, two and one-half stories, shingle roof and tile, electric lighting, vacuum heating. Architects taking bids, due April 19th. The following are figuring: Henry Specht, Willow Grove, Pa.; George & Borst, 277 South Eleventh street; A. L. Fretz & Son, 1222 Chancellor street; S. Harting, 20 East Johnson street; Metzger & Wells, Heed Building.

**Buildings,** Green Springs, West Virginia. Architect, M. A. Long, Baltimore, Md. Owners, Baltimore and Ohio Railroad Company. Brick, one and two stories, 154x88 feet. Slag roof, electric lighting. Owners taking bids, due April 20th. Irwin & Leighton, 126 North Twelfth street, and Roudhouse-Arey Company, Fidelity Building, are figuring.

**Casting House and Storage,** Huntingdon and Aramingo avenue. Architect, private plans. Owners, John T. Lewis & Bros. Co., on premises, care of L. T. Beale, Fifth and Chestnut streets. Concrete, one and two stories. Slag roof. Owners taking bids, due April 25th. The following are figuring: Cramp & Co., Denekla Building; J. E. & A. L. Pennock, Land Title Building; William Steele & Sons, Sixteenth and Arch streets; Unit Construction Company, St. Louis, Mo.; Turner Forman Company, 1314 Arch street.

**Residences (6),** Ridley Park, Pa. Architect, Roger Haddock, Ridley Park, Pa. Owner, Ridley Park Realty Company, Ridley Park, Pa. Hollow tile, plaster, two and one-half stories, 42x22 feet. Shingle roof, electric lighting. Owners taking bids, due April 22nd. Pomeroy Construction Company, 1609 Ranstead street, are figuring.

**Armory Building,** Pottsville, Pa. Architects, McCormick & French, Wilkes-Barre, Pa. Owners, State of Pennsylvania, Harrisburg, Pa. Brick, two stories, 119x39 feet. Electric lighting, steam heating, slag roof. Owners taking bids, due April 18th. Ed. Fay & Sons, 1521 Ranstead street, are figuring.

**Store and Warehouse,** 2043-45 Arch street. Architect, Lewis Levi, Real Estate Trust Building. Owners, Kahn & Greenberg, Morris Building. Brick, steel, five stories, 40x140 feet. Slag roof, steam heating, electric lighting. Architect taking bids, due April 18th. The following are figuring: Smith Hardican Company, 1606 Cherry street; Ed. Fay & Sons, 1521 Ranstead street; Stacey Reeves & Sons, 1611 Filbert street; Harry Gill, Jr., 2200 Germantown avenue; A. R. Raff, 1635 Thompson street.

**School (alt. and add.),** Glenside, Pa. Architect, H. C. Wise, 34 South Sixteenth street. Owners, Board of Education of Cheltenham Township, Pa. Stone, two stories, slate roof, electric lighting, steam heating. Architect taking bids, due April 18th. The following are figuring: George Hogg, 1634 Sansom street; T. C. Trafford, 1613 Sansom street; E. H. Sturts, Twenty-sixth and Ridge avenue; William Fesmier, Glenside, Pa.; F. L. Hoover & Sons, Builders' Exchange; P. J. Hurley, 1233 Cherry street; John W. Emery, 1524 Sansom street; H. L. Brown, 1714 Sansom street; Worrell & Waters, Rosemont, Pa.; M. E. Hauser, Glenside, Pa.; G. L. Blake, Glenside, Pa.; Linford Sterrie, Glenside, Pa.

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Havens, 845 North Nineteenth street; T. J. Carberry, 41 North Hutchinson street; Abel Bottoms & Sons, 41 South Fifteenth street; Gaffney & Co., 130 North Twelfth street; P. J. Hurley, 1233 Cherry street.

**Residence (add.),** Eighteenth and Spruce streets. Architects, Brookie & Hastings, 328 Chestnut street. Owner, George H. McFadden, 121 Chestnut street. Plaster and brick, three stories, 47x47 feet. Electric lighting, hardwood floors, steam heating, slag roof. Architects taking bids, due April 18th. The following are figuring: J. S. Cornell & Son, Land Title Building; F. E. Wallace, 1210 Sansom street; H. L. Brown, 1714 Sansom street; Irwin & Leighton, 126 North Twelfth street; Appleton & Burrell, 1204 Chancellor street; F. G. Preston, 2343 North Twenty-second street.

**Residences (4),** Radnor, Pa. Architect, Jacob Naschold, 723 Walnut street. Owner's name withheld. Frame and stucco, two stories, electric lighting, hot water heating, shingle roof. Plans in progress.

**Factory Building (add.),** Nineteenth and Allegheny avenue. Architect, J. G. Brown, Witherspoon Building. Owners, Electric Storage Battery Company, on premises. Brick and concrete, six stories, 225x50 feet. Slag roof, steam heating, electric lighting. Plans in progress.

**Hotel,** Atlantic City, N. J. Architect, J. R. Ogden, Bartlett Building, Atlantic City. Owners, Bellevue Hotel Company, Atlantic City, N. J. Brick, fireproof, nine stories, 50x150 feet. Electric lighting, steam heating, slag roof. Architect taking bids, due April 30th. Stacey Reeves & Sons, 1609 Filbert street, are figuring.

**Station and Express House,** Huntingdon, W. Va. Architects, Harris & Richards, Drexel Building. Owners, Chesapeake and Ohio Railroad Company. Brick and stone, three stories, 40x70 feet, 116x52 feet. Slate roof, steam heating, electric lighting. Owners have received bids.

**Residence,** 719 Pemberton street. Architect, J. E. Jackson, 719 Walnut street. Owner, Donato Amoroso, care of Architect. Brick, three stories, 17x66 feet. Hardwood floors, electric lighting, hot air heating. Plans completed. Architect taking bids in a few days. D. F. McCarthy, 1937 North Seventh street; Donato & Puro, 809 South Fifth street, are figuring.

**Factory and Dye House,** 845 Willard street. Architect, Jacob Naschild, 723 Walnut street.



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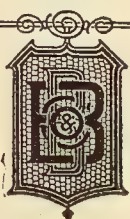
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**Residence**, Park avenue and Medary avenue. Architect, Lawrence Clark, Witherspoon Building. Owner, Katherine E. Murphy, care of architect. Frame, two and one-half stories. Shingle roof. New plans in progress. Too early for details.

**Store Building**, 835 Market street. Architects, Anderson & Haupt, Drexel Building. Owners, the Fink Company, on premises. Brick, six stories, 20x140 feet. Tin roof, electric lighting, steam heating. Owners have received bids.

**Residence**, Atlantic City, N. J. Architects, Stout & Riebenack, Bartlett Building, Atlantic City, N. J. Owner, Henry Parson, Atlantic City, N. J. Brick and frame, three stories, 36x46 feet. Slate and asbestos shingle roof, electric lighting, hot water heating. Architects have received bids.

**Office Building (alt. and add.)**, 205 South Juniper street. Architects, Mellor & Meigs, Lafayette Building. Owners, Mellor & Meigs, Lafayette Building. Brick, two stories, slate roof, electric lighting, hot water heating. Architects have received bids.

**Residence (alt. and add.)**, Oak Lane, Pa. Architect, Walter F. Price, 714 Walnut street. Owner, Walter Le Mar Talbot, Fidelity Building. Stone and plaster, three stories. Paradox roof, steam heating, electric lighting. Architect has received bids.

**Apartment House**, Horrtter and Jefferson streets, Germantown. Architects, Watson & Huckel, 1211 Walnut street. Owner, William F. Forsyth, care of architects. Brick, four stories, 75x100 feet. Slate roof, electric lighting, steam heating. Irwin & Leighton, 126 North Twelfth street, are figuring (approximate bid).

**Hospital (alt. and add.)**, Thirty-third and Lancaster avenue. Architects, Brockie & Hastings, 328 Chestnut street. Owners, the Ruth Hospital, on premises. Brick, interior alterations, electric lighting, steam heating. Architects taking bids, due April 23rd. Irwin & Leighton, 126 North Twelfth street, and William R. Dougherty, 1608 Sansom street, are figuring, in addition to those previously reported.

**Garage and Stable**, West Conshohocken, Pa. Architect, H. L. Reinhold, Tenth and Sansom streets. Owner, Dr. S. Elizabeth Winter, care of architect. Brick, two stories, slate roof, electric lighting. Plans in progress.

**Residence**, Overbrook, Philadelphia. Architect, T. H. Atherton, Jr., Wilkes-Barre, Pa. Owner, W. Logan MacCoy, Real Estate Trust Building. Stone and frame, two stories, 37x47 feet. Shingle roof, hot air heating, electric lighting. Architect taking bids, due April 26th. A. L. Fretz & Son, 1222 Chancellor street; Metzger & Wells, Heed Building, are figuring.

**Library (alt. and add.)**, Jenkintown, Pa. Architects, Zantzinger, Borie & Medary, Fifteenth and Walnut streets. Owners, Abington Library Society, Jenkintown, Pa. Stone, one story, 30x30 feet. Tin roof, steam heating. Architects have received bids.

**Y. M. C. A. Building**, Reading, Pa. Archi-

tecs, Shattuck & Hussey, Chicago, Ill. Owners, Y. M. C. A. Building of Reading, Pa. Stone, brick and concrete, fireproof, six stories, 106x135 feet. Slag roof, electric lighting, steam heating. Architects taking bids, due May 1st. The following are figuring: Metzger & Wells, Heed Building; J. E. & A. L. Pennock, Land Title Building.

**Club House (alts.)**, Twelfth and Chancellor streets. Architect, L. V. Boyd, Harrison Building. Owners, Business and Professional Men's Club, on premises. Consists of new grill room. Architect has received bids.

**Hotel**, Cresson Valley, Pa. Architect and builders, Koelle Speth & Co., Twenty-sixth and Oxford streets. Owner, Adam Lutz, 7673 Germantown avenue. Stone, two stories, 50x50 feet. Slag roof, electric lighting, hot water heating. Owner has received bids.

**Residence**, Haverford, Pa. Architect, D. Knickerbacker Boyd, Fifteenth and Walnut streets. Owner, A. A. Hirst, 211 South Sixth street. Stone, two and one-half stories. Architect taking bids. M. W. Young, Overbrook, Pa.; W. D. Smedley, Narberth, Pa.; J. D. Lingle, Wayne, Pa.; A. L. Fretz & Son, 1222 Chancellor street; E. J. Hedden, 14 South Broad street; Metzger & Wells, Heed Building, are figuring.

**School**, Absecon, N. J. Architect, J. V. Mathias, Bartlett Building, Atlantic City, N. J. Owners, School Board of Absecon, N. J. Brick and stone, two stories, 60x125 feet. Electric lighting, steam heating, slag roof. Architect has received bids.

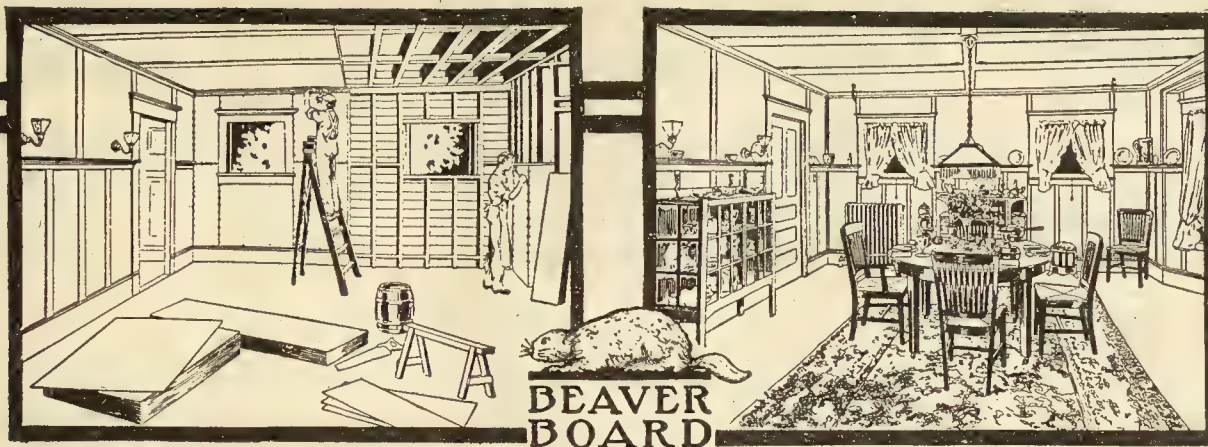
**Residence**, Mt. Airy, Philadelphia. Architect, Clyde S. Adams, 1233 Arch street. Owner, Frank V. Chambers, 215 Gowan avenue. Tapestry brick, two and one-half stories, 40x30 feet. Slate roof, hot water heating, electric lighting. Architect has received bids.

**Power House and Laundry**, Fifty-eighth and Greenway avenue. Architect, Mantel Fielding, 518 Walnut street. Owners, Presbyterian Home for Widows and Single Women, on premises. Brick and stone, two stories, slate roof, electric lighting. Architect taking bids, due in a few days. The following are figuring: William J. Grubler, 219 High street; A. R. Raff, 1635 Thompson street; Stokes Brothers, 6723 Musgrove avenue; William Steele & Sons Company, 1600 Arch street.

**Building**, 835 Arch street. Architects, Magaziner & Potter, 137 South Fifth street. Owners, Keystone Trading Stamp Company, 702 Arch street. Brick and concrete, six stories, 25x145 feet. Slag roof, electric lighting, steam heating. Architects taking bids, due April 18th. The following are figuring: T. M. Seeds, 1207 Race street; H. E. Baton, Tenth and Sansom streets; Sax & Abbott, Hale Building; Irwin & Leighton, 126 North Twelfth street; A. R. Raff, 1635 Thompson street; Lam Building Company, 1001 Wood street.

**Armory (alt. and add.)**, Broad and Diamond streets. Architect, Philip Johnson, Land Title Building. Owner, Second Regiment Armory, on premises. Brick, two stories, slag roof, electric lighting, steam heating. Owners taking bids, due April 19th. The following are figuring: Stacey Reeves & Sons, 1611 Filbert street; Doyle & Co., 1519 Sansom street; Wayne Construction Company, 1218 Filbert street; Ed. Fay & Son, 1521 Ranstead street; John R. Wiggins, Heed Building; Mitchell Brothers, 2125 Race street.





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**Laboratory Building**, Stenton avenue, \$20,000. Engineer, John G. Brown, Witherspoon Building. Owners, Atwater Kent Manufacturing Company, 40 North Sixth street. Brick, concrete, one story, 120x167 feet. Slag roof, electric lighting, steam heating. Owners have received bids.

**Factory**, Fifth and Glenwood avenue. Architects, Ballinger & Perrot, 1211 Arch street. Owner, S. L. Allen, on premises, or Denckla Building. Brick and concrete. Too early for details. Plans in progress.

**Casting House and Storage**, Huntingdon and Aramingo avenue. Architect, private plans. Owners, John T. Lewis & Bros. Co., on premises, care of L. T. Beale, Fifth and Chestnut streets. Concrete, one and two stories. Slag roof. Owners taking bids, due April 25th. Cramp & Co., Denckla Building, are figuring.

**Factory Building**, Long Island, N. Y. Architects, Harris & Richards, Drexel Building. Owners, General Vehicle Company, Long Island, N. Y. Consists of new factory. Plans in progress. Architects to take bids in two weeks.

**Club House**, Ocean City, N. J. Architects, Seymour & Paul A. Davis, 1713 Sansom street. Owners, Ocean City Yacht Club, Ocean City, N. J. Brick and frame, three stories, shingle roof, hot water heating, electric lighting. Architects taking bids, due April 20th. The following are figuring: Barber & Marts, O. M. Townsend, Allen Scull, all of Ocean City, N. J., and Joseph Steelman, Atlantic City; George & Borst, 277 South Eleventh street.

**Store Building (alt. and add.)**, 234 North Eighth street. Architects, Sauer & Hahn, 1118 Chestnut street. Owner, Morris Goodfriend, on premises. Brick, four stories, new front. Architects taking bids, due April 18th. The following are figuring: Lam Building Company, 1001 Wood street; Smith Hardican

Company, 1606 Cherry street; J. S. Wilson Company, 1125 Brown street; S. Schultz, 920 East Moyamensing avenue; Thomas Little & Son, 1615 Sansom street; William R. Dougherty, 1608 Sansom street; John W. Emery, 1524 Sansom street.

**Apartment House**, Broad and Fitzwater streets. Architect, Samuel Milligan, 520 Walnut street. Owner, Dr. W. S. M. Field, Broad and Bainbridge streets. Brick, three stories, 20x125 feet. Electric lighting, hot water heating. Owner taking bids, due April 20th. Smith Hardican Company, 1606 Cherry street, figuring.

**Residence (add.) and Garage**, Wynnefield, Pa. Architect, Walter Smedley, Stephen Girard Building. Owner, Percy A. Legge, on premises. Stone, three stories, shingle roof, electric lighting, steam heating. Architect taking bids in a few days. R. C. Ballinger & Co., 218 North Thirteenth street, figuring.

**Bank (add.)**, Seventh and Market streets. Architects, William Steele & Sons, Sixteenth and Arch streets. Owner, Penn National Bank, on premises. Stone, two stories. Plans in progress.

**Loft Building**, Broad and Wallace streets. Architect, Charles Balderson, 411 Walnut street. Owners, Metropolitan Building, care of George F. Lasher, 147 North Tenth street. Concrete, fireproof, eight stories and basement, 100x400 feet. Asbestos roof, steam heating. Architect taking bids, due April 29th. The following are figuring: Irwin & Leighton, 126 North Twelfth street; Hennebique Construction Company, Real Estate Trust Building; J. Myers & Sons, Witherspoon Building; H. C. Rea Company, 711 North Fifteenth street; Wells Brothers & Co., Morris Building.

**Residence**, Wilmington, Del. Architect, Charles Barton Keen, Bailey Building. Owner, Dr. Joseph Whales, Wilmington, Del.

Sayre & Fisher brick, two and one-half stories, 50x40 feet. Electric lighting, vapor heating, shingle roof, hardwood floors. Revised plans in progress.

**Church**, Forty-second and Girard avenue. Architects, Charles W. Bolton & Son, Witherspoon Building. Owners, Emanuel Presbyterian Church, on premises. Stone and terra cotta, one story and gallery, 70x90 feet. Slate roof, electric lighting, steam heating. Architects taking bids, due April 25th. The following are figuring: T. C. Trafford, 1613 Sansom street; Thomas Reilly, 1606 Thompson street; Burd P. Evans & Co., Thirteenth and

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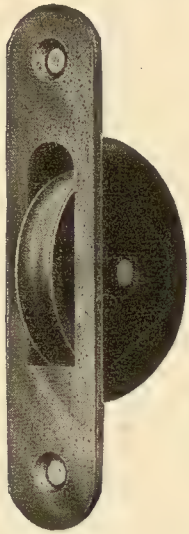
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ing; F. L. Hoover & Sons, Builders' Ex-  
change; F. A. Havens & Co., 845 North Nine-  
teenth street.

**Residence**, Haddonfield, N. J. Architects,  
Morris & Erskine, Crozer Building. Owner's  
name withheld. Hollow tile and concrete, two  
stories, 46x36 feet. Slate roof, electric light-  
ing, hot water heating. Plans completed.  
Architects ready for bids.

**Residence**, 7318 Germantown avenue, Phil-  
adelphia. Architects, Lachman & Murphy,  
Witherspoon Building. Owner, E. Ott, care of  
architects. Stone, two and one-half stories,  
20x40 feet. Electric lighting, hot water heat-  
ing, slate roof. Plans in progress.

**Residence (alt. and add.)**, Newtown Square,  
Pa. Architect, H. W. Sellers, Stephen Girard  
Building. Owner, Lionel H. Wood, care of  
architect. Stone, three stories, shingle roof,  
electric lighting. Architect taking bids, due  
April 20th. The following are figuring:  
Stokes Brothers, 6723 Musgrove avenue; H. E.  
Grau Company, 1707 Sansom street; J. W.  
Warner, Bryn Mawr, Pa.; G. W. Gardner, 511  
North Fortieth street; A. L. Fretz & Son,  
1222 Chancellor street; W. F. Baldwin & Co.,  
41 South Fifteenth street.

**Residence (alt. and add.)**, Lansdowne, Pa.  
Architects, Heacock & Hokanson, Bailey  
Building. Owner's name withheld. Stone  
and frame and plaster, two stories, 25x32 feet.  
Slate and tin roof, electric lighting. Archi-  
tects have received bids.

**Factory**, 425 North Third street. Architect  
and builders, William Steele & Sons Company,  
Sixteenth and Arch streets. Owner, Oehrle  
Brothers, 243 North Third street. Brick and  
terra cotta, four stories, 55x120 feet. Slag  
roof, electric lighting. William Steele & Sons  
Company, Sixteenth and Arch streets, taking  
sub-bids, due April 18th.

**Hotel**, Atlantic City, N. J. Architect, J. R.  
Ogden, Bartlett Building, Atlantic City, N. J.  
Owners' Bellevue Hotel Company, Atlantic  
City, N. J. Brick, fireproof, nine stories, 50x  
150 feet. Electric lighting, steam heating,  
slag roof. Architect taking bids, due April  
30th. The following are figuring: Royd-  
house Arey & Co., Fidelity Building; Stacey  
Reeves & Sons, 1611 Filbert street; James G.  
Doak & Co., Crozer Building; A. Raymond  
Raff, 1635 Thompson street; B. Ketcham  
Sons, 1029 Brown street.

**Residence (alt. and add.)**, 216 South Twen-  
tieth street. Architect, E. Allen Wilson, 1208  
Chestnut street. Owner's name withheld.  
Rear addition, three stories; alterations to

interior. Steam heating, electric lighting.  
Plans completed.

**Factory**, Fifth and Glenwood avenue. Archi-  
tects, Ballinger & Perrot, 1211 Arch street.  
Owner, S. L. Allen, on premises. Brick, con-  
crete, fireproof, six stories. Slag roof, electric  
lighting, steam heating. Architects taking  
bids, due April 24th. The following are fig-  
uring: Irwin & Leighton, 126 North Twelfth  
street; Cramp & Co., Denckla Building; Turn-  
er Forman Concrete Construction Company,  
1314 Arch street; B. Ketcham Sons, 1029  
Brown street; H. C. Rea Company, 711 North  
Fifteenth street; W. W. Lindsay & Co., Har-  
rison Building; J. E. & A. L. Pennock, Land  
Title Building; F. C. Gilberth, 60 Broadway,  
New York; Appleton & Burrell, 1204 Chancel-  
lor street.

**Residence**, Cynwyd, Pa. Architect, Frank  
Seeburger, Pennsylvania Building. Owner, H.  
W. Whittington, Bala, Pa. Stone, two stories,  
38x4 feet. Shingle roof, electric lighting, hot  
water heating. Architect taking bids, due  
April 22nd. The following are figuring: Metz-  
ger & Wells, Heed Building; Mowrer Broth-  
ers, Merion, Pa.; J. E. Kearney, 327 North  
Sixty-third street; J. P. Thompson, 1432  
South Penn Square; Carvan Construction  
Company, 5143 Irving street.

**Public School**, Summit, N. J. Architects,  
Cady & Krug, Summit, N. J. Owners, Board  
of Education, North Summit, N. J. Brick,  
two stories and basement, 38x88 feet. Slate  
roof, electric lighting, steam heating. Owners  
taking bids, due April 29th. Metzger & Wells,  
Heed Building, are figuring.

**School**, Glassboro, N. J. Architects, Mof-  
fett & Stewart, Camden, N. J. Owners, Board  
of Education, Glassboro, N. J. Brick, two  
stories, slate roof, steam heating, electric  
lighting. Plans in progress.

**Residence**, Trenton, N. J., \$15,000. Archi-  
tect, F. J. Wetzel, Trenton, N. J. Owner, W.  
W. Slack, Trenton, N. J. Stucco, two and  
one-half stories, 33x62 feet. Electric lighting,  
tile roof. Plans in progress.

**Residence**, Melrose, Pa. Architect, D. Fol-  
som, 1433 Chestnut street. Owner, G. A.  
Helff, care of architect. Stone, two and one-  
half stories. Slate roof, electric lighting,  
steam heating. Architect taking bids, due  
April 19th. The following are figuring:  
Thomas C. Trafford, 1613 Sansom street; Bow-  
ers & Logan, 2010 Chancellor street; E. J.  
Kreitzburg, 1345 Arch street; Boyer & Lewis,  
Camden, N. J.; George Kessler, Drexel Build-  
ing.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man  
and Interior and Exterior Fitter.

**Bank**, Pottsville, Pa. Architect, F. X. Reil-  
ly, Pottsville, Pa., core of Steel & Wike.  
Owners, Union Safe Deposit Bank, Pottsville,  
Pa. Stone, two stories, 20x70 feet. Electric  
lighting, steam heating, slag roof. Contract  
awarded to S. Y. Fredericks, Hazleton, Pa.

**Municipal Building**, West Chester, Pa.  
Architects, Baker & Dallett, 1629 Chestnut  
street. Owners, Borough of West Chester,  
Pa. Electric lighting, steam heating, two  
stories, 25x86 feet, brick and stone. Contract

awarded to W. H. Jones, West Chester, Pa.

**Residence and Garage**, Merion, Pa. Archi-  
tect, R. Lea Perot, 26 South Seventeenth  
street. Owner, Martin J. Mulkin, North  
American Building. Stone and plaster, two  
and one-half stories, 40x50 feet. Electric  
lighting, steam heating. Contract awarded  
to M. W. Young, Overbrook, Philadelphia.

**Alt. and add. to Passenger Station**, Frank-  
ford, Philadelphia. Architect, William H.  
Hunter, Reading Terminal. Owners, Phila-



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delphia and Reading Railway Company. Brick, one story, 52x21 feet. Electric lighting, steam heating, slag roof. Contract awarded to F. W. Van Loon, Denckla Building.

**Residence**, Wayne, Pa. Architects, Bissell & Sinkler, Bailey Building. Owner, R. Francis Wood, Brown Building. Brick and plaster, two and one-half stories, 37x86 feet. Electric lighting, steam heating. Contract awarded to Metzger & Wells, Heed Building.

**Garage**, 5948 Torresdale avenue, Tacony, Philadelphia. Architect, private plans. Owner, William Miller, on premises. Brick, two stories, slag roof, 20x25 feet. Electric lighting. Contract awarded to F. W. Van Loon, Denckla Building.

**Warehouse (add.)**, Twenty-first and Washington avenue. Architect, private plans. Owner, John Wanamaker, care of Mr. Haddock, Mechanical Department, Thirteenth and Market streets. Brick and steel, concrete, one and four stories, 131x396 feet. Electric lighting, steam heating, slag roof. Contract awarded to William Steele & Sons Company, 1600 Arch street.

**Residence**, Oak Lane, Philadelphia. Architect, Valentine B. Lee, York road, Oak Lane, Pa. Owner, Frederick Lucking, Oak Lane, Philadelphia. Stone, two and one-half stories, 35x35 feet. Steam heating, electric lighting, slate roof, hardwood floors. Contract awarded to A. Whitehead, 1624 Latimer street.

**Book Stack Room**, Haverford, Pa. Architects, Bailey & Basset, 421 Chestnut street. Owners, Haverford College, Haverford, Pa. Stone, concrete, steel, fireproof, 30x50 feet, 35 feet high, slag roof, glass skylight, steel book stacks. Contract awarded to R. C. Ballinger & Co., 218 North Thirteenth street.

**Store and Apartments**, Oak Lane, Philadelphia. Architects, Lee & Gilmore, 1003 Spruce street. Owner, Dr. E. L. Klopp, 1633 Spruce street. Brick, two stories, 30x60 feet. Electric lighting, steam heating, slag and tin roof. Contract awarded to George F. Pawling & Co., Broad and Vine streets.

**Apartment House**, Fifteenth and Poplar streets. Architect, LeRoy Rothschild, 410 Walnut street. Owner, E. P. Chapell, 1640 Germantown avenue. Sayre & Fisher brick, brick, terra cotta, three stories, slag roof, electric lighting, steam heating. Contract awarded

ed to Seidman & Getz, 1312 North Sixth street.

**Building (add.)**, Twelfth and Quarry streets. Architects, William Steele & Sons, Sixteenth and Arch streets. Owner, Young Building, Twelfth and Quarry streets. Brick, seven stories, 44x107 feet. Slag roof, electric lighting, steam heating. Contract awarded to Doyle & Co., 1519 Sansom street.

**Residence (alt. and add.)**, Wynnewood, Pa. Architect, H. C. Wise, 34 South Sixteenth street. Owner, W. E. Heyl, on premises. Stone, two and one-half stories. Shingle roof, electric lighting. Contract awarded to F. H. Mahan, Ardmore, Pa.

**Residence**, Eleventh and Cheltenham avenue, Oak Lane, Philadelphia. Architects, Simon & Bassett, 1118 Chestnut street. Owner, Mrs. C. M. Dudley, care of architects. Stone, two and one-half stories, 30x40 feet. Slate roof, electric lighting. Contract awarded to S. M. Fesmier, Glenside, Pa.

**Office Building**, Twelfth street, between Wharton and Reed streets. Architect, William E. Groben, City Hall. Owners, Department of Public Works, City Hall. Brick, two stories, 24x48 feet. Bids opened as follows: John W. Emery, \$8,445; P. J. Hurley, \$8,500; Peoples Brothers, \$8,985; E. H. Sturts, \$9,009; B. P. Evans, \$9,333; H. H. Wehmeyer, \$9,483; George Hogg, \$9,549; H. E. Baton, \$9,570; F. W. Van Loon, \$9,687; S. Shoemaker, \$9,700; D. F. McCarthy, \$9,852; Standard Construction Company, \$10,100; Ed. Fay & Son, \$9,900; Mitchell Bros., \$9,648; E. F. Durrell, \$9,985; Hill, \$10,884; Sax & Abbott, \$9,888.

**Cottage**, Chelsea, N. J. Architect, George S. Idell, Harrison Building. Owner, J. A. S. Brown, Franklin Bank Building. Brick, frame and plaster, three stories, 42x70 feet. Electric lighting, tile roof, hot water heating. Contract awarded to Abacus Construction Company, Atlantic City, N. J.

**Residence (alt. and add.) and New Garage**, Elkins Park, Pa. Architects, Simon & Bassett, 1112 Chestnut street. Owner, Louis Wolf, Elkins Park, Pa. Stone, two and one-half stories, 43x61 feet. Electric lighting, steam heating, shingle roof, hardwood floors. Contract awarded to A. Whitehead, 1624 Latimer street.

## Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

F. & I. Davis (O), Thirteenth and Nedro streets. Cost, \$5,000. Two two-story dwellings, 16x59 feet, Thirteenth and Champleck streets.

J. States (O), Andalusia, Pa. J. Fotheringham (C), 3367 Frankford avenue. Cost, \$18,000. One two-story brick dwelling, 16x32 feet, Herbert and Harricks streets.

S. F. Mayer (O), 4110 Spruce street. G. F. Heath (C), Eighty-seventh and Bartram avenue. Cost, \$1,200. One two-story brick dwelling, 16x30 feet, Seventy-seventh and Lyons streets.

John Stal (O), 1252 South Thirty-third street. West Philadelphia Construction Company (C), 4720 Woodland avenue. Cost,

\$2,000. One two-story dwelling, 16x24, 12x30 feet, 1328 South Thirty-third street.

Pugle & Taylor (O), 5713 Market street. Cost, \$80,600. Forty-four brick dwellings, 15x40 feet, Fifty-eighth and Ellsworth streets.

F. Shappell (O), 516 East Dupont street. Cost, \$3,600. One dwelling, brick, two stories, 16x47 feet, Walnut lane and Ridge avenue.

Eighth National Bank (O), Second and Girard avenue. Irwin & Leighton (C), 126 North Twelfth street. Cost, \$250,000. Bank, one story, 18x37 feet, brick, Second and Girard avenue.

Samuel Matherson (O), 317 North Sixth street. Cost, \$2,500. One dwelling, two

stories, 15x62 feet, brick, 315 North Sixty-first street.

E. L. Taylor (O), Fern Rock, Pa. Oak Lane Park Building Company (C), Oak Lane, Pa. Cost, \$7,500. Dwelling and store, three stories, 21x21 feet, Oak Lane, Philadelphia.

C. R. Calhoun (O), 1412 East Cambria street. Cost, \$5,800. Two dwellings, brick, two stories, 16x54 feet, Masher and Olney streets.

W. H. Horn & Bro., 451 North Third street. Dorney & Smith (C), 111 North Seventh street. Cost, \$1,800. Shop, 457 North Third street.

J. M. Faust (O), 258 West Erie avenue. Cost, \$6,000. Two dwellings, two stories, 15x53 feet, Courtland and Sydenham streets. Cost, \$19,800. Nine dwellings, brick, two stories, 15x53 feet, Courtland and Sydenham streets.

I. A. Sheppard (O), Third and Berks streets. William Steele & Sons Company (C), 1600 Arch street. Cost, \$20,000. Manufacturing building, two stories, 142x144 feet, brick, Erie avenue and Sepviva street. Cost, \$3,000. Garage.

Robert Killough (O), Wayne and Duval streets. Cost, \$28,800. Sixteen dwellings, brick, two stories, 14x44 feet, Sixty-fifth and Stenton avenue.

Clarence Seigel (O), Forty-sixth and Hazel avenue. Cost, \$60,000. Eight dwellings,

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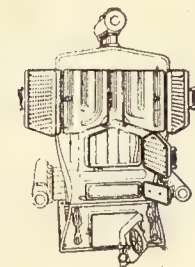
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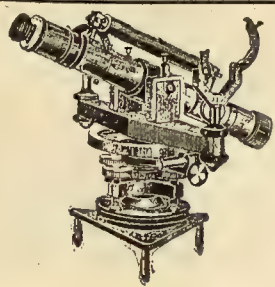
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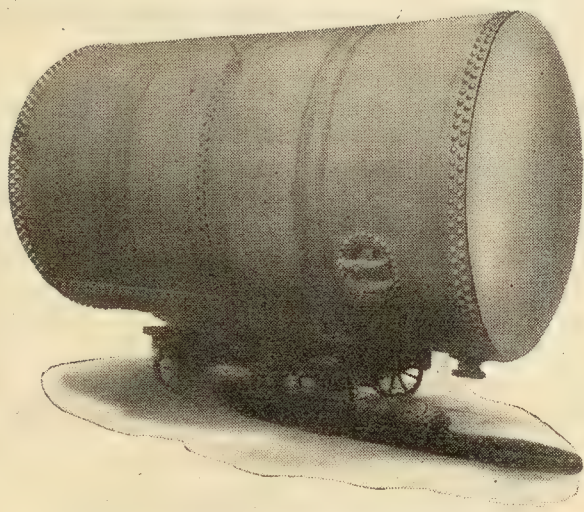
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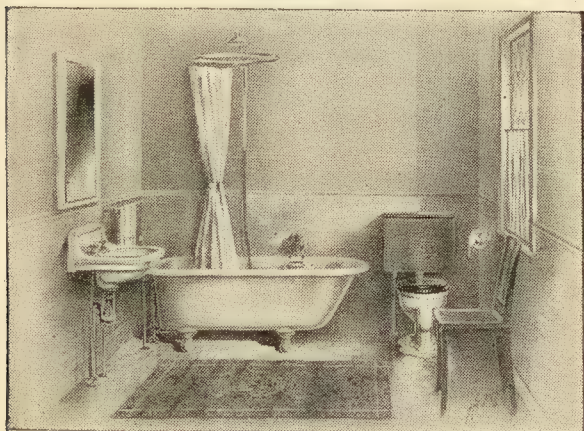
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brick, three stories, 16x58 feet, 502 to 516 South Forty-sixth street. Cost, \$16,000. Two dwellings, brick, three stories, 16x58 feet, South Forty-sixth street. Cost, \$8,000. One dwelling, brick, three stories, 16x58 feet, South Forty-sixth street. Cost, \$22,500. Three dwellings, brick, three stories, 16x58 feet, South Forty-sixth street. Cost, \$37,500. Five dwellings, brick, three stories, 16x58 feet, South Forty-sixth street. Cost, \$8,000. One dwelling, brick, three stories, 16x58 feet, South Forty-sixth street.

Bureau Brothers (O), Allegheny avenue and Twenty-second street. W. R. Dougherty (C), 1608 Sansom street. Cost, \$18,000. Foundry building, two stories, 100x49 feet., brick, Twenty-third and Westmoreland streets.

E. A. Carroll (O), 700 North Sixty-third street. Cost, \$45,000. Ten dwellings, brick, two stories, 16x40 feet, Sixty-third and Race streets.

Manayunk Coal and Lime Company (O), Main and Cambria streets. Cost, \$7,800. Six dwellings, brick, two-stories, 14x32 feet, Mal-lory and Baker streets.

The Atlantic Refining Company (O), 3144 Passyunk avenue. Cost, \$15,000. One building, three stories and two stories, brick, 93x83 feet, Ritner and Wolf streets.

George Campbell (O), 1511 Spruce street. Cost, \$3,600. Two dwellings, two stories, brick, 16x34½ feet, Rector and Pelcum streets.

George A. Mahn (O), 2736 Girard avenue. Cost, \$52,710. Twenty-seven two-story brick dwellings, 15x34 feet, Parrish and Pennock streets.

### Alterations and Additions

M. Loveland (O), 3403 G street. S. Stern-berg (C), 605 Garret street. Cost, \$400. Dwelling.

J. I. Hellerman (O), 746 North Forty-first street. J. L. Holm (C), 5556 Arch street. Cost, \$750. Arch street.

Fred Rover (O), 6103 Callowhill street. Dinnis Brothers (C), 417 North Tobart street. Cost, \$600. Store.

Jacob Bowerman (O), 1212 Poplar street. J. Newborn (C), 844 North Tenth street. Cost, \$3,100. Store and dwelling.

Philadelphia Warehouse Cold Storage Com-pany (O), Front and Noble streets. H. P. Nienicke, Inc. (C), Drexel Building. Cost, \$3,145. Boiler house.

Crew Levick Company (O), Commerce and Mifflin streets. A. Whitehead (C), 1624 Lat-imer street. Cost, \$2,800. Dye house.

R. O. Gilpis (O), 614 Brown street. A. Whitehead (C), 1624 Latimer street. Cost, \$1,400. Garage.

Atwater Kent Manufacturing Company (O), 46 North Sixth street. Cost, \$800. Garage, 4937 Stenton avenue.

Hammell Estate (O), Land Title Building. Metzger & Wells (C), Heed Building. Cost, \$3,000. Riding Academy, Twenty-third and Chestnut streets.

George C. Graber (O), Shamokin, Pa. Stanford B. Lewis (C), Builders' Exchange. Cost, \$7,000. Apartment house, Thirty-third and Diamond streets.

Women's Southern Hospital (O), Broad and Fitzwater streets. Stacey Reeves & Sons (C), 1611 Filbert street, Thirty-third and Diamond streets.

S. Kane (O), 1232 South Fifth street. P. Goodman (C), 2723 Diamond street. Cost, \$500. Store and dwelling.

H. O. Hurlbert & Co. (O), 14 South Tenth street. H. E. Brown Heating Company (C), Builders' Exchange. Cost, \$750. Store, 813 Chestnut street.

### ARCHITECTURAL NOTES.

An eighteen-year-old youth, Gabriel B. Rothkugel, 23 North Front street, Philadel-phia, has been awarded the first prize of \$100 and Peter F. Getz, 2203 Emerald street, Phil-adelphia, the second prize of \$25 in this year's Walter Cope Memorial prize archi-tectural competition. The prize is offered by Mrs. Walter Cope, widow of one of Philadel-phia's most gifted architects, for the encour-agement and education of young architectural students and draftsmen of Philadelphia and vicinity. The prize competition has been held annually for about ten years, but this is the first time a second prize was given, the amount of money for the purpose having been increased by Mrs. Cope. The competitions are held under the auspices of the T-Square Club, Chancellor street, above Twelfth, where the competitive designs are now on ex-hibition.

\* \* \*

The problem this year was a proposed me-morial to John Ericsson, who designed and constructed the United States Monitor. It was required that the memorial should be one suitable to be placed in one of the triangular spaces of the Parkway between the City Hall and Fairmount Park. The competition program and all the designs were required to be submitted for the contest by April 1. The identity of the competitors was not known, each design being designated by a number only. The judges were Thomas L. Kellogg, chairman; E. P. Bissell, J. P. B. Sinkler, Charles F. Rabenold and William L. Baily.

\* \* \*

Gabriel B. Ruthkugel, the winner of the first prize, is only eighteen years old. He was graduated with honors last year from the Central Manual Training School, and won a scholarship in the Industrial Art School, Broad and Pine streets. He is employed as a draughtsman in the office of Sauer & Hahn, 1112 Chestnut street.

\* \* \*

Peter F. Getz, the winner of the second prize, has won several prizes in architectural competitions. This is the third time he has entered the T-Square Club's competition, re-ceiving honorable mention in each of the previous years. While a pupil of the School of Industrial Art, Mr. Getz won the Graeff Prize for the best architectural design in 1908 and again in 1909. He is a member of the Atelier of the University of Pennsyl-vania and recently received first honorable mention in a competition of the Beaux Art Society in New York City, the problem being a monumental stairway. He was formerly a draughtsman in the office of the late Rowland W. Boyle and is now employed by Cope & Stevenson, 316 Walnut street.

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## FOURTH ANNUAL CONVENTION OF PENNSYLVANIA STATE ASSOCIATION OF AMERICAN INSTITUTE OF ARCHITECTS.

"Under existing laws we can build houses that breed sickness, crime, degeneracy, and death among those who must occupy them, and that will eventually affect the health and undermine the moral tone of the whole community." This statement was made on Tuesday, April 9th, by Bernard J. Newman, secretary of the Philadelphia Housing Association, in addressing the fourth annual meeting of the Pennsylvania State Association of the American Institute of Architects at the Engineers' Club, 1317 Spruce street, Philadelphia.

Mr. Newman made a strong plea for the enactment of laws that will compel better housing conditions for the masses in this city.

"In discussing building laws," he said, "all the emphasis has been placed upon structural conditions, and fire risks, as though no other thing were necessary than to prevent buildings burning or falling. Yet the loss of life by conflagration is a mere picayune as compared to the lives lost by bad housing conditions.

"Certain conditions in the construction of houses will make men receptive to disease. There is no adequate requirement for air and sunlight in houses in Philadelphia and the small towns outside. Houses can be erected and passed by the Building Bureau without a foot of plumbing on the premises. There is no law for minimum height of ceilings or width of walls. Tens of thousands of houses here are cold in winter and hot in summer; their walls are flimsy, hollow shells and they have no air chambers overhead to ward off the pitiless heat.

"Under economic conditions of to-day people cannot make a free choice in selecting their homes. And so it is imperative for us to see that greedy landlords cannot erect these structures and that slovenly tenants are protected against themselves. The welfare of the whole community is bound up in the health of the people, and their welfare cannot be neglected save at the cost of the State.

"We have been treading on a volcano in this country. Here and there we see it breaking out, in death rates that run high, in a multitude of sickly children, in tubercular parents, and in courts filled with criminals. It is time for us to stop. It is time for us to pass legislation that will enforce ample

ventilation, plenty of sunlight and yard space, air chambers beneath the roofs, and cellars that will be impervious to moisture and the noxious gases that leak into so many. The protection of the weak, and of the strong against the weak, point in this sphere to only one safeguard for all, and that is the introduction of more health provisions in the laws.

"This is the justification, and this is the argument for the so-called humanitarian aspects of a building code."

Important changes looking to the protection of life and the beautification of cities were outlined by Edwin Clark, chief of Philadelphia's Bureau of Building Inspection and a member of the commission appointed by Governor Tener to revise the building laws.

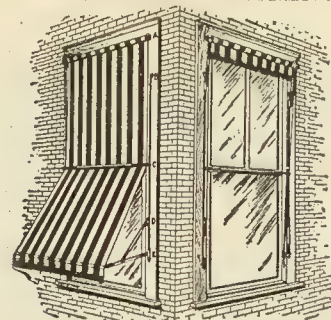
He asked the co-operation of the association, and was assured, in an address by D. Knickerbocker Boyd, the retiring president, that the architects would aid in every way to bring about improved conditions.

Chief Clark declared that a law should be passed compelling every theatre and vaudeville house to have a skylight. He explained the purpose of such a law by saying that in case of explosion or fire the fumes could escape through the skylight. Illustrating his point, he said that in the Iroquois Theatre fire, in Chicago, some years ago, persons in the gallery were asphyxiated by the fumes before they had a chance to escape.

He also declared that theatres should be compelled to have steel fire curtains. Other suggestions included laws that will prevent the erection of structures that are "eyesores," limiting the height of buildings and prohibiting the use of projecting cornices. He said there should be a committee of architects to pass upon the appearance of proposed buildings before permits for their erection are issued.

Chief Clark, in discussing concrete buildings, said it would be necessary to formulate new rules regarding their construction, because of the danger of collapse through electrolysis. He said electrolysis, which is a condition caused by electricity eating into iron and steel, is a grave danger that is not yet generally realized.

Director of Public Safety Porter, who represented Mayor Blankenburg at the meeting, announced that it is his intention to retain



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Chief Clark in office. He also said that the city intends to do all in its power to have building laws which will safeguard the public.

President Edward Stotz, of Pittsburgh, made a startling revelation of what he called "the spider webs" erected for factories over the State and told of exhaustive studies of a new factory into which 300 workingmen and women were about to be placed, when it collapsed, killing four. The tests of materials in that ruin, he hoped, would help the State Commission.

Mr. Stotz also told of the good effect new building laws have had in Pittsburgh.

"Three or four years ago Pittsburgh was entirely without proper building laws," he said. "The laws are not yet perfect by any means, and much can be done to help us get rid of haphazard construction. Since a few months ago, when a building in Pittsburgh collapsed and the public was awakened because of the number of persons injured, we have collected much information which will be placed in the hands of the new commission, if they want it."

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Powell Evan, an authority on fire insurance, advocated that clause providing that buildings in the future shall be erected for a specific purpose only be written in the new law. Should the tenant leave the premises he must notify the police department, and the new tenant also advised concerning the purpose for which the building was erected.

Robert D. Kohn, a New York architect,

described the work that is being done in his State for the betterment of the building laws.

Attending the convention were C. J. Hexamer, of Philadelphia, and Freas Styer, of Norristown, who are members of the new commission. These men were particularly interested in the address of Chief Clark, of the Bureau of Building Inspection.

An executive session was held in the morning, at which the following officers were elected: President, Edward Stotz, of Pittsburgh; vice-president, Albert Kelsey, of Philadelphia; secretary, Richard Hooker, of Pittsburgh; treasurer, Reinhardt Dampwolf, of York; directors, John Hall Rankin, Thomas Wells Sellers, D. Knickerbacker Boyd, William L. Bailey, William L. Black, Thomas A. Nolan, John T. Windrim, J. McA. Harris, W. H. Cookman, of Philadelphia; Edward Stotz, Richard Hooker, R. M. Trimble, O. M. Topp, of Pittsburgh; A. A. Dampwolf and B. F. Willis, of York.

The retiring officers are: D. Knickerbacker Boyd, as president, and William L. Bailey, secretary and treasurer.

At 6.30 o'clock on the evening of April 9th the Philadelphia Chapter gave an informal dinner to the State Association and to all

visiting members of the Pittsburgh and Southern Pennsylvania Chapters and other architects from various parts of the State, at Kugler's. Addresses were made by officers of the institute and by other distinguished persons. Among these were: Walter Cook, of New York, the president of the American Institute; Glenn Brown, secretary of the Institute; F. C. Baldwin, second vice-president; Edward Stotz, of Pittsburgh, vice-president of the State Association; John Hall Rankin, president of the Philadelphia Chapter; B. F. Willis, of York, Pa., acting advisory architect to the State Board of Education; Frank M. Day, M. B. Medary, Jr., and others. D. Knickerbacker Boyd, president of the Pennsylvania State Association, was toastmaster. Edmund C. Evans, Philadelphia, was chairman of the Dinner Committee.

#### RECENT TRADE LITERATURE.

We have received a copy of an attractive booklet entitled "Mr. Owen's Problem," which the Fuller & Warren Co., Troy, N. Y., is sending to its customers for distribution to prospective builders. The company states that it will be glad to send copies to any one interested in the subject of heating.

\* \* \*

Great Western Pottery Company, Kokomo, Ind., has issued a very attractive March calendar in the interest of vitreous china sanitary ware.

\* \* \*

Several attractive catalogs, full of information, are published by the Troy Wagon Works Company, Troy, Ohio. They deal with the advantages of Troy wagons and wagon-boxes.

\* \* \*

A new type of floor, laid by the use of the "Atlas" sanitary composition flooring, is described in a booklet issued by the Atlas Floor Company, Old Colony Building, Chicago, Ill.

\* \* \*

Formed metal roofing material is illustrated and described in a catalog issued by Lyon, Conklin & Co., Inc., Baltimore, Md.

\* \* \*

The February, 1912, number of "Detroit-Fenestra," published by the Detroit Steel Products Company, Detroit, Mich., carries several attractive illustrations and some text on the subject of all-steel and glass window work.

\* \* \*

The American Pulley Company, 4200 Wisconsin avenue, Philadelphia, is sending out to architects a booklet containing the report of certain tests made by the Henry D. Spackman Engineering Company of the respective merits of pressed steel and cast-iron sash pulleys. This report shows that the pressed steel pulley manufactured by the American Pulley Company is immensely superior to any other make known to the trade. Copies of this report will be sent on request.

Some people quit advertising during the dull season. No wonder it's the dull season. —"Dealers' Building Material Record."



## COMPETITION AND DESIGN

(Paper read before the American Institute of Architects)

In attempting to deal with this subject, it has been extremely difficult to confine myself to the actual effect of competition upon design, rather than to revert to a discussion as to the propriety of competition in itself, and more or less to a discussion of the ethics governing competitions.

For the purposes of this paper I shall assume that by the term "competition" is meant—competition undertaken under the most ideal conditions, guided by rules laid down and approved, in so far as they have been approved, by the American Institute of Architects, that is:

1st. Competition limited to a certain number of architects.

2d. Open to all architects.

3d. Mixed; certain architects being invited, but other architects being at liberty to take part.

The Institute, by recommending, that except in cases in which competition is unavoidable, an architect be employed upon the sole basis of his fitness for the work, tacitly, at least, takes the stand that the effect of competition upon the practice of architecture and upon architecture itself, is not for the best.

The New York Chapter, however, admits that for public and semi-public buildings, competitions may be desirable; other Chapters name the minimum amount a building should cost in order to warrant a competition.

Now, as a matter of fact, notwithstanding the view of the Institute as a whole and the individual views of the several Chapters, possibly every man in this body has participated, to a greater or less extent, in competitions, and each one has been guilty very closely in the ratio to his prominence in the profession, in spite of the great economic loss to the profession, and of its being "a game of chance."

To properly describe the effect of competition upon architecture would require an analytical comparison of the works of representative architects, won in competition, with other of their works executed after direct selection, and taking all the attendant conditions into account.

Much has been said upon the ethics of the competition, but very little upon the actual influence of competition upon architecture, and I have to admit that it is a very broad subject and that perhaps, in the future, an adequate paper on this subject may be written.

Upon receiving an invitation to enter a competition, and upon receipt of the program and requirements, one realizes that he is taking up a new and strange problem, and is dealing with an unknown owner, or committee; the personnel of the jury may or may not be known to him.

In either case, the economical idea of the plan may often be worked out independently,

that is, the disposition of space and relation of departments, the one with the other, circulation, etc., may be determined irrespective of any supposed idiosyncrasy on the part of the jury, but even in the case of the plan, this independence is only too often influenced by a vague mistrust as to the personal likes or dislikes of the jury, concerning some particular arrangement, thus preventing an individual and heartfelt expression of the solution.

After the plan has been developed to an advanced stage, one may surround it with four walls punctured with holes, or attempt to give those walls architectural expression, and a character which denotes the intended uses of the building. Here, again, one's thoughts turn to the approval of the owner and his expert advisers, rather than to a courageous, independent, impulsive study of the problem. You are afraid to be impulsive, to play with the motives, to do the thing you, yourself, feel; you may not win; you may not have the favored "parti."

While it is true that the most important element which is lacking in a competition and which must therefore affect the final result, is the inability to get into touch with one's client, and thus develop a solution, nevertheless the view point of the expert adviser and jury itself affecting design, is greatly responsible for the prevailing desire to sell one's soul to win; and it is possible we should have a Code for the Conduct of Jurors, as well as for the Conduct of Competitions and Competitors. Must we, in competitions, be eternally condemned to the use of an order? Is there no value in wall space?

The late John M. Carrere has said that one argument advanced in favor of competition has been the desire to discover new talent, and added, "If a man has talent his day will come, and it should not come until he is prepared to make use of it. A man who has genius to express original ideas on paper is nevertheless not to be entrusted with the execution of the work until he has acquired the requisite experience, for when it comes to the serious work of actual building, he requires not only the experience of the practical side of things, but the practical artistic experience; the experience that knows that a thing that looks well on paper represents a thing that is going to look well in execution; and that refers to every detail of the work, the very texture of the material. It requires experience which cannot be acquired by any man, no matter what his genius may be, without practice."

Now, I believe that the safe, dignified, substantial way, in which to obtain recognition in the profession, is to gain your clientele through the excellence of your executed work, the importance and volume of which will grow as rapidly as it deserves, nevertheless it has been my experience that the presence of

a serious competition in the office does develop the men, from the head to the office boy, improving draftsmanship, knowledge of the principles of design, and the faculty of quickly expressing one's thought on paper. An esprit de corps is created in the office, for here is a real competition, something more than a school problem, and naturally all take a keener interest in the result.

Great good is accomplished in the ateliers of our larger cities and the competitions instituted by the Beaux Arts Society, and by several magazines, but the efforts of all in collaboration, working in an office upon a serious competition, develop not only draftsmanship, but a real conception of architecture in its higher meaning, such as many months of routine work may not accomplish.

A great number of competitions, even in some of our best known offices, have been won by clever young designers, developed under these conditions of training.

While this should not necessarily warrant these men being selected as architects, it nevertheless demonstrates that the system of conducting competitions does stand for training in design. It is equally true that a number of these young men have, through the medium of competitions, developed into some of the prominent architects of the country, and have shown, by their subsequent work that they were prepared to make use of their talents.

The Tarsney Act, approved February 20, 1893, authorizing the Secretary of the Treasury to obtain plans and specifications for public buildings, paved the way for a better architecture in our Federal buildings, and in turn has, since its adoption, reacted upon the work of this department of the Secretary of the Treasury until, as Mr. Glenn Brown, in his review of 1906, states: "Under the Tarsney Act it must be conceded that the work is immeasurably superior to any building done by the Government from 1860 to 1896, and it, together with the merit system which now rules in the office, has been a material factor in uplifting the character of work done by the corps in the Supervising Architect's office during the past six years."

Since 1897, under the direction and with the advice and assistance of the officers of the Institute, programs have been drawn by the Supervising Architect for scores of important Government buildings throughout the country, and the result has been public buildings of an excellence of design and execution heretofore unknown in the United States.

These competitions, however, have affected design to an enormous extent. The type of architecture in our Government buildings, as well as other municipal and semi-public buildings, has for the most part become circumscribed. Before the drawings are sent in, it is almost possible to foretell, within small limitations, the general character of design of the contestants. It is always the base story with a superimposed order, enclosing two or more stories, with perhaps an attic, or the order will extend from the ground through all the stories. In any case it is al-

(Continued on page 266.)



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PHILADELPHIA, PA., APRIL 17, 1912.

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### COLOR IN ARCHITECTURE—WHAT IT IS AND WHAT IT MEANS.

Color in architecture is engaging the interest of men who plan suburban homes in a way that promises much for the generation just ahead. In the much touted Colonial period red, white and green exhausted the color possibilities of home planning. Red bricks, white-painted doors and green-painted shutters became so common as to become identified with and an integral part of the older American communities. The Victorian period ushered in a species of ginger-bread ornamentation. Polychrome terra cotta and texture brick are rapidly placing at the command of the house designer, with a soul for color, mediums capable of a beauty witchlike, sensuous and Oriental beyond anything hitherto dreamed of. In the hands of men who know how to use color these mediums are producing results out of which one of these days will issue,—like Jupiter from the head of Jove,—an architecture American beyond anything known to the craft—individual, original, native and unique. Bright, quick, active young minds are busy with this color question to the end that, sooner or later, there must appear, somewhere, a man singled out by the muses to excell all others in its use. And with the advent of this dreamer will come that "American" school of architecture which is the dream of the able practitioner.

### MAYOR BLANKENBURG AND ARCHITECT WINDRIM'S FEE UNDER "THE CLIFFS" PROPOSITION.

"The Guide" is unwilling to believe that Mayor Blankenburg will interpose the weight of his official influence on the side of those who seek to withhold from Architect John T. Windrim the fee that is properly due Mr. Windrim under his contract to prepare plans for the auditorium building proposed by the Reyburn administration at a site known as The Cliffs, in East Fairmount Park. Under this contract, made August 9, 1911, Mr. Windrim was commissioned architect for the auditorium and was to be paid 6 per cent. of the total cost. The lowest bid was \$4,430,000, but before the erection proceeded the proposition was enjoined in a taxpayer's suit. Under Mr. Windrim's contract he was to be paid according to the rules of the American Institute of Architects, which provide a fee of three-fifths of the total upon completion of the preliminary studies, specifications and general working drawings. Pursuing the terms of this contract, Mr. Windrim claims 60 per cent. of the 6 per cent. fee, or 3.6 per cent. of the total, making an aggregate of \$159,480. Eighteen thousand dollars of this amount has been paid out of an appropriation of \$50,000 made for the purpose. To pay the balance an ordinance is to be introduced in Councils which, favored by a majority of the members of Councils, is said to be likely to meet with opposition from his honor, the

Mayor. Mr. Windrim, having done the work required of him under his contract with the city, is so clearly entitled to the fee therein agreed upon that the question resolves itself into one of common honesty. The fact that an injunction has intervened to arrest the progress of the building, or that other modifications of the original plan have since grown into favor may not be held to mitigate the city's responsibility under its contract one iota. Mr. Windrim having earned his fee is clearly entitled to be paid. The fact that Mayor Blankenburg has not expressed himself on the subject must not be construed to imply any intention on the part of the Mayor to shirk that which is so plainly an honorable obligation. Mr. Windrim should be paid and will be and, as "The Guide" fully believes, with the Mayor's most cordial acquiescence and approval. Mayor Blankenburg is not the man to dodge honorable obligations honorably incurred.

### EIGHTEENTH ANNUAL EXHIBITION OF PHILADELPHIA CHAPTER, A. I. OF A., AND THE T-SQUARE CLUB.

The exhibition of architectural drawings, photographs, craftsmanship and accessories, now thrown open to the public in the galleries of the Academy of Fine Arts, is one of the most notable within the history of Philadelphia Chapter. The plans, designs, perspectives and sketches shown comprise much of the most important work of the past year; the photographs and sketches in color are unusually numerous and attractive; there are a number of charming entries in mural painting and a host of minor exhibits covering remarkable work being done in craftsmanship; clay and metal and other lines more or less closely related to architecture. Decorative ironwork is particularly well represented, Mr. Samuel Yellin,—whose skill in this field amounts to genius,—appearing in some of the most artistic work in this difficult medium we have ever had the privilege of viewing. The Arts and Crafts Guild is seen in some very effective tiling, pottery and brasswork and the Enfield Pottery in the usual variety of designs in tile and ornamented clay. One of the features of the architectural display is a model in plaster of a port cochere doorway designed by Albert Kelsey for the home of Dr. George Fales Baker. In domestic architecture clever and distinguished work is shown by Duhring, Okie & Ziegler, Bissell & Sinkler, Mellor & Meigs, Brockie & Hastings, Oswald C. Herring, Wilson Eyre, Lawrence Visscher Boyd, Thomas, Churchman and Molitor and Edward B. Gilchrist. One of the most striking designs of the exhibition is one for a hotel in Porto Rico contributed by Messrs. Price & McLanahan.

Henry Thouron lends a touch of variety to the architectural display proper with some very deftly executed designs for stained glass. The murals by Henry Thouron, Gertrude Lambert, Gertrude Monaghan, Burton



Keeler, J. Monroe Hewlett and W. I. Benda supply a refreshing note of color in the general atmosphere of black and white. These few notes hastily gathered in no sense do justice to the exhibition, which will be made the subject of an extended review in "The Guide" of April 24.

This is the eighteenth of these annual exhibitions held under the joint auspices of Philadelphia Chapter of the American Institute of Architects and the T-Square Club. The exhibition board deserves an appreciative word for the unerring taste with which the exhibits have been arranged. The board consists of John Molitor, chairman; Edwin Fetteroef, W. W. Sharples, C. L. Borie, Jr., J. P. B. Sinkler, Edmund C. Evans, C. A. Ziegler, secretary, and Collier Stevenson, assistant secretary.

### ART IN STAINED GLASS.

In Chartres Cathedral there are 175 stained glass windows which are regarded as being among the most wonderful in the world, most of them dating from the twelfth century. Scarcely one of them dates from later than the thirteenth century, and the entire collection is considered the most complete gallery of the rich mosaic glass of that period.

This is the reckoning, says "Handicraft," 124 great windows, three great roses, 35 lesser roses and 12 small ones! And in these are painted 3,889 figures, including 32 contemporary historical personages, a crowd of saints and prophets in 38 separate legends and groups of tradesmen in the costumes of their guilds.

The reds, like those at Reims, are everywhere wonderful; the saffron also and the citron yellows, the brown and the emerald green; but most superbly beautiful of all are the blues, the lucid transparent azure of the twelfth century lancets, and the deep sapphire, the blue of Poitiers, which fills the lower windows of the nave.

The secret of its manufacture is lost, but you can understand, when you behold it, how easily that story was believed which said that in order to secure this depth of blue the monkish glaziers used to grind sapphires to powder and mix them with their glass. There is only one thing that can be compared with the stained glass of the North, and that is the mosaics of the South, of Ravenna, Palermo and San Sofia.

The cathedral offers to the student of glass a perfect model, not, indeed, of detail, for upon the path which leads to the perfection of detail the thirteenth century glazier still had many steps to take, but of effects in decorative coloring. In the rose you have a confused effect of color, in which there is not any too definite form to spoil the charm of the broken bits of color upon the senses.

But it is in the lancet windows of the nave that the row of otherwise (let it be confessed) ungainly figures supplies by means of the drapery, cloaks and borders that mixture of color and shade that makes color beautiful, and with those broad masses of

stain combined with absolute simplicity and severity of design which should be the ideal of the glazier. And they are not crowded with too much story.

But though the palette of the early glazier was so rich in quality with those splendid reds and ineffable blues, the secret of which has long been lost, and other primary colors, it was poor in extent. To this poverty must be ascribed the curious coloring of many details. Beards are often painted blue, and faces usually brown. Some shades of a rich purplish brown was, in fact, the ordinary flesh tint of the early glazier.

The sunburnt effect of their brown visages only accentuates the Oriental aspect of many of these glass figures. As at Bourges, so here, the influence of the East is plainly visible, not only in the hieratic type of the personages and their sumptuous apparel, but also and still more undoubtedly in the mosaic borders by which they and the medallions beneath are framed.

### DEATH OF GEORGE WATSON.

**Veteran Builder and Educator Succumbs to Complications Due to Years.**

George Watson, one of the veteran contractors and builders of the city, died at his home, 723 North Eighth street, after six weeks' illness. Mr. Watson, who was eighty-six years old, had been in failing health for about a year.

Some of the largest and most notable buildings in the city have been erected by Mr. Watson, including many banks, trust companies and office buildings. He was much interested in the education of boys and girls, was one of the founders of the Master Builders' Mechanical Trades School, and a manager of the Glen Mills Reform School. He was one of the oldest members of the Union League, having been admitted in 1863.

His wife and one son, George J. Watson, survive him.

## THE CASE FOR METAL ROOFING

**Advantages of Metal Roofing set forth by an Advocate of this Material—  
Weather-proof, Fireproof, Light, Strong and Durable.**

The following facts will demonstrate how uniformly the pure iron roofing meets each important requirement:

The many different styles of metallic roofing permit its application to all kinds, shapes and forms of roof construction, providing the necessary and satisfactory grade for each particular roof and the variation of the pitch.

The joints are soldered, double seamed or lapped so snugly that they are perfectly watertight.

Driven snow cannot penetrate these joints and they are impervious to capillarity, which in freezing weather plays such havoc with slate and tile roofs.

Because of the larger sections in metallic roofing there are less seams and joints exposed than in practically any other grade. There is absolutely no absorption of moisture and its destructive consequences. Therefore a metallic roof is perfectly weatherproof when properly applied.

#### Fireproof.

From a fireproof standpoint metallic roofing is the peer of all roofing. It is not only absolute protection against fire from without, but holds and smothers the fire within, thus preventing the flames from spreading to adjacent buildings.

The lightness of this roof obviates the danger of a heavy roof crashing through the building before the supporting timbers are half consumed.

It may be coincidental, but an investigation to learn the effect of lightning upon metallic roofing resulted in the discovery that, of the many consulted, there was no record

of a metallic roof having been struck by lightning.

Page 702 of Foster's "Electrical Engineer's Pocketbook" contains the following statement:

"A sheet of copper, a sheet of iron, a tin roof, if without breaks and fully connected by wall soldered joints, can be utilized to advantage as lightning conductors."

Many architects take this into consideration, making the eaves trough and downspouting form a perfect connection to the earth.

#### Weight.

Comparing the weight of metallic roofing with all other roofing proves that it is as light as the very lightest forms and very much lighter than the more substantial forms of roofing, such as slate, tile and concrete.

As an example, No. 20 gauge corrugated roofing galvanized weighs 1.78 pounds per square foot. A reinforced tile roofing weighs 13½ pounds per square foot.

This introduces one of the strongest features in favor of metallic roofing, viz., the great saving in the cost of the superstructure.

All corrugated roofing can be applied directly to the purlins. V-crimp, pressed standing seam and roll roofing requires a very light sheathing, while in all cases a very light and less costly superstructure is perfectly adequate.

#### Strength.

In this respect metallic roofing again excels, presenting the very strongest form of roofing obtainable. This feature is of the

(Continued on page 267.)



## Important to Builders

As soon as the frost is out of the ground you will start that building operation, for which plans have been drawn during the winter months. If you have not included Electric wiring in your specifications—whether the properties are to be used for dwelling or business purposes—you have made a mistake which will cost you money. Electrically wired properties rent and sell twice as quickly as the unwired properties. If you don't believe that, ask the other builders.



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## COMPETITION AND DESIGN.

(Continued from page 263.)

most sure to be an order, and, as before stated, the value of plain wall space in design seems to have been overlooked.

This use of the order as the main feature of a building, with several stories enclosed in its height, is seldom successful, and probably never when more than two stories are included.

Why does competition insist upon a Government type requiring our architects to crowd these many stories within the order, thus making corridors of the rooms within, by reason of the usual depths, or rooms too large for an economical arrangement of space, when the logical expression of an economical plan demands that the window openings be made subservient to this plan? In other words, while the character of architecture should proclaim the dignity and purpose of the building, why should the arrangement and lighting of the interior be sacrificed to the everlasting order?

Does the fact of the order in competitive design spring from the belief that this form of architecture is really the established form for public buildings in the United States, or is it to be laid to the door of our system of conducting competitions?

If the latter be true, I again affirm that the cause lies in that inborn desire to win, and the competitor, in order to do so, gives the jury that official type he believes the jury wants, to the absolute prostitution of personal expression, and the results of practically all competition judgments prove that he is correct. The jury does demand the recognized official type.

It therefore appears to me that, in competitions, the jury and expert advisers exert fully as much influence upon design as the competitor himself.

The official type of public buildings, whether for the Government or a municipality, is the offspring of the competition as at present conducted, and, in turn, influences and very often determines part of a grouping plan, such as is being developed in many of our larger cities, thus condemning the whole group to a type which most surely will not be the last word in the architectural expressing of public buildings.

Much that has been herein stated may also be said concerning competitions for buildings of a commercial character.

With a possible exception, as in the case of those problems of great monuments which are purely artistic in their character, and which may require the collaboration of the sculptor or decorator, taking into consideration the present status of the competition, I believe the best method of securing an artistic as well as a practical result, is by the direct selection of an architect. But the fact that competitions have been conducted in Europe, and especially in France, for many years with undoubted success, exerting a marked and beneficial influence upon architecture; also the willingness on the part of most of our ablest architects to enter com-

petitions, with, as a result, hundreds of successful monuments attesting their skill, and the fact that perhaps more time of the Institute Conventions is devoted to the consideration of the problems pertaining to competitions than to any other subject, indicate that while the perfect Code for the conduct of competitions, competitors, jurors and clients, has not yet been developed, nevertheless we may be gradually, through a slow but progressive process of education, evolving a system which may eventually enable competition to exert a beneficial effect upon design in architecture.

## MORE OR LESS PERSONAL.

F. D. Van Vechten, manager of the kitchen equipment department of the Bernard Gloeckler Company, who make a specialty of hotel kitchen equipment, refrigerators, etc., at Pittsburgh, Pa., resigned his position on April 1 to become the general sales manager of the National Incinerator Company, Nos. 303-305 Fifth avenue, New York City.

\* \* \*

John H. Walters, formerly of the Harbison & Walker Refractories Company, 1133 Broadway, New York, is now associated with Murtha & Schmohl, of One Hundred and Ninth street and East River, as manager of sales in their new front brick department.

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When the game is advertising, specializing pays. You couldn't advertise hats in a brick magazine any more than you would advertise corsets in a tobacco trade journal. Selecting your medium depends on the class you aim to reach. If the class is architects or builders, your medium is "The Guide."

The "Builder's Guide" is the **OLDEST**, and the **ONLY** Architectural Publication in Pennsylvania.



# Trade News and Gossip

Cullings from the Week's News, with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

\*\*Extensive improvements are planned at the Port Richmond coal piers, Philadelphia, by the Reading Railway Company. What will practically be a new pier is to be built on the site of Pier 18, and machinery will be installed which will enable the company to run the coal cars out on the pier, pick them up bodily and dump the load into the hold of vessels at the dock. Pier 18 is just north of Cramps' Shipyard. It is 33 feet wide and 690 feet long. The new structure is to be of concrete.

\*\*The Philadelphia Board of Education has unanimously voted for a temporary school loan of \$1,500,000, and indicated a possible increase in the tax rate next November. The loan will be devoted to the erection of six new elementary schools and the amount will be floated in portions as needed to guarantee the erection of these buildings. Bids will be awarded as quickly as plans can be completed by the Department of Buildings, which is already at work draughting for several of the buildings projected.

Among the schools to be erected with the money will be the largest elementary school in this city. It will be located at Third and Mifflin streets, and will contain forty-two divisions. Its cost will be about \$350,000. Another school to be erected will be a twenty-seven division building, at Fifty-sixth and Christian streets, which will cost about \$216,000, according to estimates. Other schools to be erected will be the badly needed Branch-town building, a building at Eighty-eighth street and Tincum avenue and one near Sixtieth and Market streets.

The higher school situation will be taken care of either late this year or in the first part of 1913. It is intended to float a large permanent loan of from \$5,000,000 to \$10,000,000, the decision to do so will be made in November as prescribed by law. At the same time it is probable that the tax rate will be increased from five to six mills. The additional \$1,750,000 accruing from this source will go towards the payment of the temporary loan and the paying of the interest charges on the permanent loans.

\*\*The purchase by the Philadelphia Rapid Transit Company of about six blocks of ground, consisting of almost forty acres between Old York road and Tenth street, from a point above Erie avenue to Luzerne street, is said to be for the purpose of transforming the site into an amusement resort similar to Willow Grove Park. Officials of the company declined to give any information of the intended use of the large site whatever. Charles O. Kruger, the president of the company, said he was not in a position to discuss the subject at present and had no information to impart. The personal representative of Thomas E. Mitten, chairman of the Board of Directors of the company, also had nothing

to say. Notwithstanding the reticence of the officials, it is reported that the company's plans are to erect an amusement park to replace that of Chestnut Hill Park, which recently was sold to a syndicate of Chestnut Hill residents who purchased the property for building purposes in order to secure privacy from the multitude who patronized the park.

\*\*The annual meeting of the Philadelphia Electric Company stockholders was held at 419 Market street, Camden. President Joseph McCall presided and submitted his annual report, a synopsis of which, as supplied to the press, follows:

"Gross receipts of \$6,425,590.47, and the net income, after paying all operating expenses, taxes, fixed charges and depreciation, \$1,403,741.66. The net result of the year's operations showed an increase of \$22,487.06 paid in cash dividends, and \$504,017.21 added to the surplus account, making the total surplus \$1,127,393.16. The gross receipts were the largest in the history of the company and net was also unprecedented.

The total connected load December 31, 1911, was equivalent to 2,430,955 fifty-watt lamps, an increase over the year 1910 of 252,488, or eleven per cent. The number of consumers increased 4,943. This connected load does not include the contracts for railway business with the Philadelphia Rapid Transit Company and other companies, amounting to about 10,000 kilowatts, and which will be increased by the end of 1913 to approximately 30,000 kilowatts, the contracts being for a term of ten years."

The annual report of the Philadelphia Electric Company for the year ended December 31, 1911, compares as follows:

	1911.	1910	1909.
Gross .....	\$6,425,500	\$5,946,026	\$5,498,903
Op.exp.and fix-			
ed charges..	5,021,849	4,729,647	4,287,642
Net income...	1,403,741	1,216,378	1,202,261
Less dividends.	899,724	877,287	809,780
Surplus .....	504,007	339,141	392,480
Prev. surplus..	623,375	1,783,499	1,391,018
Ded. stock div.	—	1,499,265	.....

Total surp..\$1,127,393 \$623,375 \*1,783,499

\*After close of fiscal year a stock dividend of \$1,500,000 has been declared from this surplus account.

The directors re-elected are Joseph B. McCall, Thomas Dolan, Jeremiah J. Sullivan, William F. Harrity, Charles E. Ingersoll, J. R. McAllister, Edward D. Toland, John T. Windrim and A. V. R. Coe.

\*\*The 1912 Boston Electric Show is being planned on a large scale. It will be held in Mechanics Building, Boston, September 28-October 26, this year, and there will be 105,000 square feet of exhibit floor space. This is said to be twice as great as in any previous show.

\*\*Announcement is made of the resignation of Harry de Joannis as editor of "Domestic Engineering," of Chicago, to become the Western business representative for the "Metal Worker," with headquarters in Chicago.

\*\*The second annual New York Architecture and Engineering Exhibition, which was to have been held from March 25 to 30, has been merged with, and will be held in conjunction with the Fire Exposition, October 2 to 12, constituting a department of fireproof construction and safety building equipment.

\*\*Announcement is made of the dissolution of the well-known firm of Francis Brothers & Jellett, Inc., of Philadelphia and New York, designing and contracting engineers for steam, plumbing, electrical, mechanical and sprinkler installations. The firm is being succeeded in Philadelphia by Stewart A. Jellett, vice-president and treasurer of the old concern, who has opened an office in the Franklin Bank Building, at Broad and Chestnut streets. In New York the firm's interests have been taken over by W. L. Fleisher & Co., which will continue the business at the same address, 156 Fifth avenue. Mr. W. L. Fleisher, who is the president of the new company, was for many years the New York manager for Francis Brothers & Jellett. The old firm's membership in the Master Steam Fitters' Association and in the Building Trades Employers' Association in New York has also been turned over to W. L. Fleisher & Co.

\*\*At a recent meeting of the Executive Committee of the Federal Furnace League, the president of the league, William J. Myers, resigned on account of ill health. The resignation was accepted by the Executive Committee and the duties of president will be assumed by the vice-president of the league, A. W. Glessner, of Chicago. Wilson Ferguson resigned as secretary and treasurer of the league, so that he might devote his time to a new line of work. The engineer of the league, Dr. William F. Colbert, was elected secretary and treasurer to fill Mr. Ferguson's unexpired term. The headquarters of the league have been moved to 372 Bullitt Building, Philadelphia.

## THE CASE FOR METAL ROOFING.

(Continued from page 265.)

utmost importance when wind pressure, snowloads and walking upon a roof are taken into consideration.

In practically all forms of metallic roofing the seams and joints are interlapped over the entire surface and the straps and cleats are in nowise exposed.

This construction has two important advantages: First—The fastenings are not subjected to deterioration and no part of the roof is dependent upon one or a few fastenings which may give way, cause breakage and leaks, as in tile and slate, but all the fastenings act as a unit in keeping it in place. Second—It is absolutely impossible for the wind to get under it.

Very few roofs are constructed over which it is not necessary for some one to walk



## Proposals

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### SEALED PROPOSALS

TREASURY DEPARTMENT, OFFICE OF the Supervising Architect, Washington, D. C., April 1, 1912.—Sealed proposals will be received at this office until 3 o'clock P. M. on the 13th day of May, 1912, and then opened, for two electric passenger elevators, two hydraulic lifts and pumping plant in the reconstruction of the U. S. Post Office, Court House and Custom House at Richmond, Virginia, in accordance with the drawings and specifications, copies of which may be obtained at this office at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect.

at one time or another, and no roof offers better resistance to this kind of abuse than does the metallic roof.

Corrugated roofing, because of the known tensile strength of iron and the strength imparted by the corrugations, is not only self-supporting, but is undoubtedly the very best form of roofing for large structures, mills and factories of all kinds. It is the strongest roof made.

### Expansion and Contraction.

The extremes of heat and cold are amply provided for in metallic roofing. The corrugations, seams and joints are all constructed to meet this particular requirement. It is therefore impossible for it to crack or pull apart, but, on the other hand, it gives and returns without injury to the efficiency of the roof or tearing away from the fastenings.

### First Cost.

According to the demands and requirements of the trade metal roofing gives as low, if not lower, first cost, due to the low price of the material itself. The ease and simplicity of application emphasizes this feature, and it possesses the minimum possibility of poor workmanship.

### Insurance.

The highest tribute to metallic roofing is presented by the insurance writers. In this respect it represents a great saving because it receives the lowest rates. The fact that the National Fire Protective Association places metal roofing first proves its great superiority from a fireproof standpoint.

### Minimum Cost and Maintenance.

The first cost can only be correctly computed by anticipating the cost of maintenance. Those roofs which often appear cheapest are in the long run most costly. Because of the excellent features found in metallic roofing previously mentioned in this paper the upkeep of this form of roofing compares most favorably with every other form. As has been stated, leaks can be easily found, permanently repaired and at a minimum ex-

pense. It is waterproof, verminproof and does not become watersoaked, thus preventing an increased loss on the superstructure. It will stand more abuse, greater extremes of temperature. It permits of remodeling, additions, and even fire does not destroy its utility.

### Long Life and Durability.

The only just criticism offered against a metallic roof is its lack of durability. No defense can hide the fact that many metallic roofs made of steel have proved a dismal failure because of their rapid deterioration.

However, a careful review of the history of metallic roofing develops the fact that these roofs made fifty and sixty years ago did not possess this fault. On the contrary, many of these roofs are in service to-day and are still in good condition.

Further investigation into the quality of metal used proves that they were made from iron.

Some attempt to explain this phenomenon by calling attention to the coating applied and claiming that the life of the roof depends upon the coating and not upon the base metal. If this is true, why do galvanized, painted and tin roofs of to-day deteriorate so quickly, while these old iron roofs, sometimes on the same building, continue to withstand the ravages of time? One might surmise that the coating of to-day is inferior, but old, experienced coaters say not.

There is just one sane conclusion to be reached, and it is this: The durability and long life of metallic roofing depend essentially upon its being made of a base metal free from those ingredients which accelerate corrosion. The electrolytic theory of corrosion is generally accepted, and the impurities which hasten decay must be eliminated if long life and durability are to be attained. Having obtained the best possible base metal it is necessary that it be coated with the best protective coating obtainable.

The question has been asked, "If the base metal is so good, why coat it at all?" But the same question might be applied to other material, by asking, "Why coat a cedar fencepost when placing it in the ground?"

The answer is obvious.

But if you paint a poplar post it would hardly follow that this post will last as long as a cedar post receiving the same protection. Nor does it follow that coated steel, full of impurities, the natural accelerators of corrosion, will have the life of a coated pure iron made to resist corrosion to the greatest possible degree.

Old-fashioned pure iron roofs were uniformly reliable.

### REAL ESTATE TRANSFERS.

Summary for week ending April 13th, 1912:

Number of transfers.....	422
Amount of transfers.....	\$1,470,884.90
Cash consideration .....	252,159.90
Mortgage consideration .....	1,218,725.00
Ground rent consideration.....	4,376.00
Which on a six per cent. basis amounts to .....	72,933.34

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John L. Gaumer Co.,  
22d and Wood sts., Phila.

**Awnings**  
Bernard McCurdy,  
N. E. Cor. 9th and Arch sts., Phila.

**Brick (Face, Etc.)**  
United Brick and Clay Products Co.,  
Morris Bldg., Phila.  
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**Brick Renovating.**  
Adolph Christensen,  
1433 Brown st., Phila.

**Bank and Office Fixtures.**  
Stephen F. Ketran, 312 S. 24th st., Phila.

**Blue Prints**  
Blue Print Co., 1516 Chestnut Street, Phila.

**Boilers and Stacks.**  
Lindemann Engineering Co.,  
Drexel Bldg., Phila.

**Brass and Bronze Work.**  
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**Builders.**  
Pomeroy Const. Co., 1609 Ranstead st., Phila.

**Cabinet Work.**  
Stephen F. Ketran, 312 S. 24th st., Phila.

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Arcade Bldg., Phila.  
Samuel H. French & Co.,  
4th and Callowhill sts., Phila.  
Chas. Warner Co., Land Title Bldg., Phila.  
Knickerbocker Lime Co.,  
266 N. 24th St., Phila.

**Cement and Asphalt Paving.**  
Wm. Krause, 1621 N. 5th St., Phila.

**Cement Colors.**  
Samuel H. French & Co.,  
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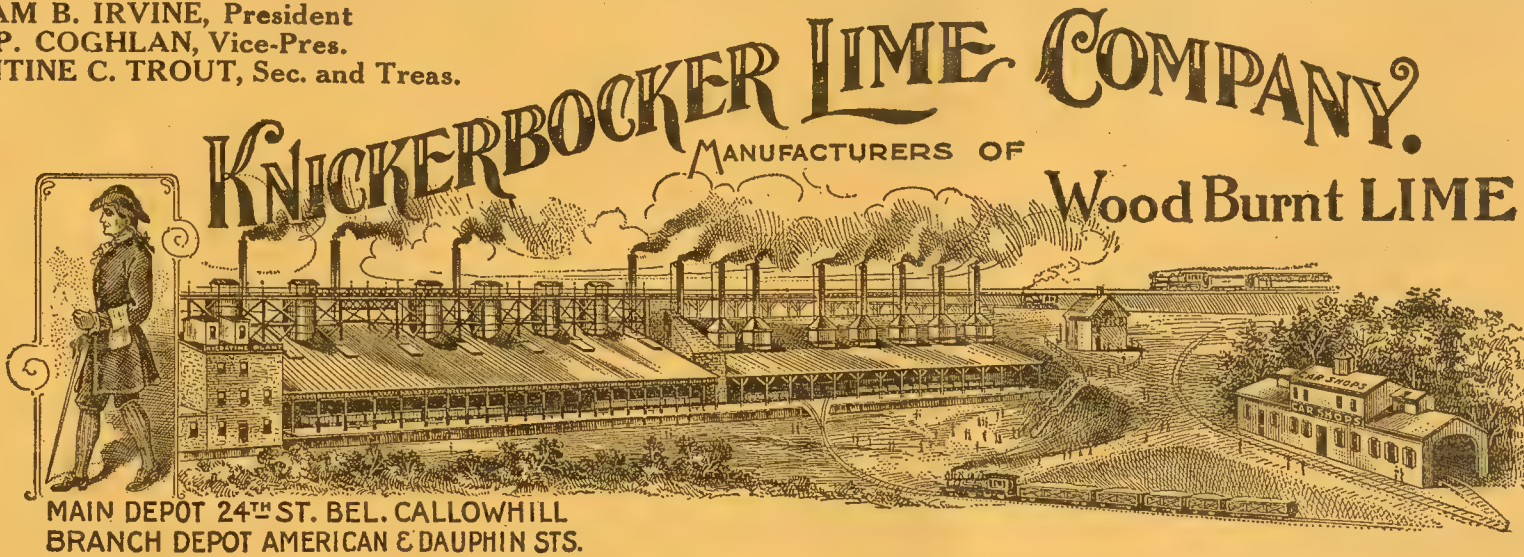
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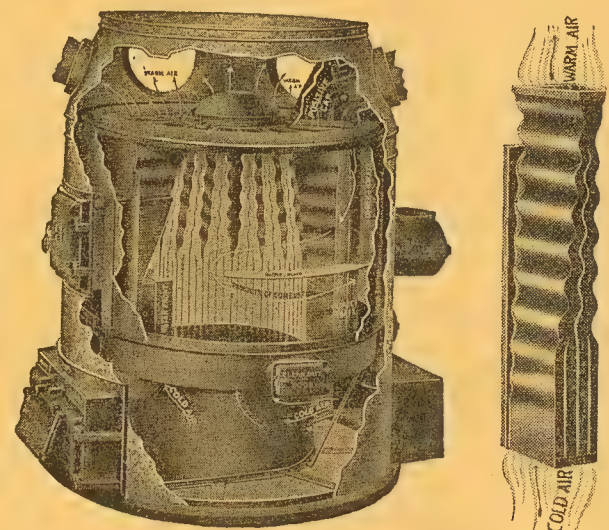
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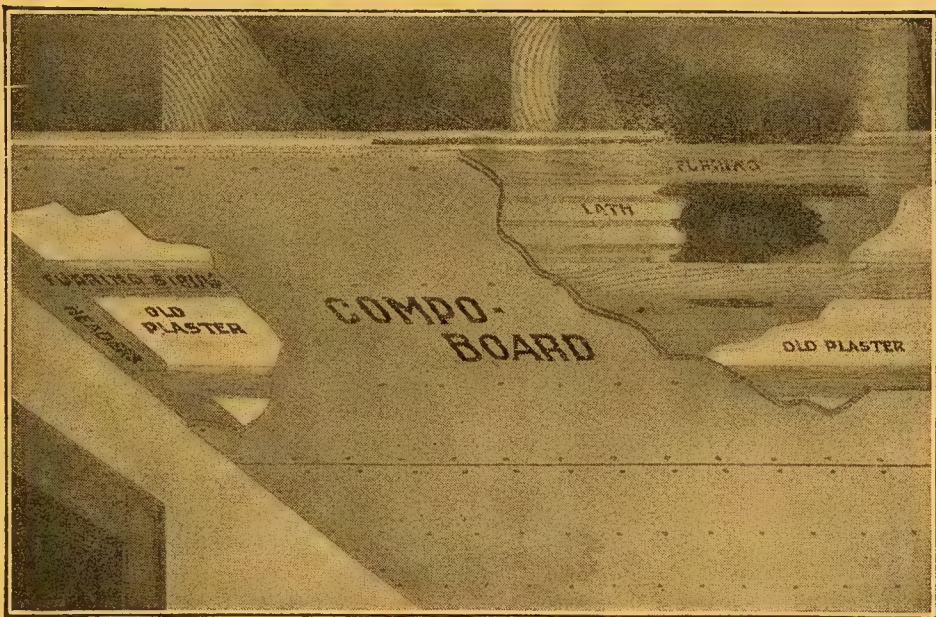


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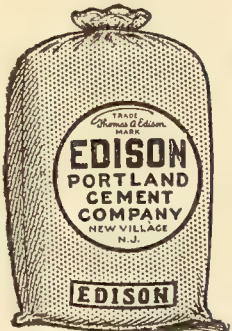
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Vol. XXVII., No. 17.

PHILADELPHIA, WEDNESDAY, APRIL 24, 1912.

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## Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Office Building**, 222-24 South Seventh street. Architects, Furness & Evans, Fourth and Chestnut streets. Owners, American Gas Company, 222 South Third street. Brick, fireproof, five stories, 52x143 feet, slag roof, electric lighting. Plans in progress.

**Residence (alt. and add.)**, Bala, Pa. Architects, Zantzinger, Borie & Medary, Fifteenth and Walnut streets. Owner, G. B. Roberts, Bala, Pa. Frame, new porch. Architects have received bids.

**Fertilizer Storage Warehouse**, Savannah, Ga. Architect, Chief Engineer, Savannah, Ga. Owner, Central of Georgia Railway Company, Savannah, Ga. Frame, one story, 148x505 feet, slag roof, electric light. Owners have received bids.

**Stores and Apartments**, Forty-sixth and Market streets. Architect, E. Allen Wilson, 1208 Chestnut street. Owner, James N. Mitchell, 4 South Markoe street. Brick, three stories, 19x70 feet, slag roof, electric light. Plans in progress.

**Stable**, Eleventh and Wharton streets. Architect, Carl Zilenziger, City Hall. Owners, City of Philadelphia. Frame, one story, 30x60 feet, slag roof, electric light. Owners taking bids due April 25th. The following are figuring: J. W. Emery, 1524 Sansom street; George Hogg, 1634 Sansom street; B. P. Evans & Co., Thirteenth and Wallace streets; J. H. Jordan, Thirty-first and Oxford streets.

**Barn and Cow Stable**, Hatboro, Pa. Architect, Clyde S. Adams, 1329 Arch street. Owners, The Orange Home, Hatboro, Pa. Frame, two stories, 45x45 feet, shingle roof, electric light. Architect has received revised bids.

**Residence**, Ventnor, N. J. \$10,000. Architect, E. Allen Wilson, 1208 Chestnut street. Owner, J. J. Cassady, care of architect. Timber, brick and plaster, hot water heating, electric lighting, hardwood floors, 16 rooms. Plans in progress.

**Office Building and Store**, Southwest corner Fifth and Bainbridge streets. Architects, B. J. Medoff & Son, 524 Walnut street. Owner, M. Pomerantz, on premises. Brick, three stories, 16x62 feet, slag roof, electric lighting, hot air heating. Owner will take sub-bids.

**Store and Apartments**, 821 Columbia avenue. Architect, Charles E. Oelschlager, Harrison Building. Owner's name withheld. Brick, three stories, 20x100 feet, electric lighting, hot water heat, slag roof. Architect taking bids due April 25. E. J. Kreitzburg, 1345 Arch street, is figuring.

**Residence (completion)**, Swarthmore, Pa. Architects, Price & McLanahan, Sixteenth and Walnut streets. Owner, H. Edgar Barnes, Swarthmore, Pa. Plaster, three stories, 34x22 feet, tile roof, electric lighting, hot air heating. Architects taking bids due in a few days. The following are figuring: J. D. Durrell, Swarthmore, Pa.; J. B. Flounders, 1329 Arch street.

**Twin Residences (32)**, Sixteenth and Ruscomb streets. Architect, E. Allen Wilson, 1208 Chestnut street. Owner, J. J. Kelly, 3038 West York street. Brick, two stories, 16x56 feet, electric lighting. Plans in progress.

**Store Building**, 1227 Walnut street. Architects, Watson & Huckel, 1211 Walnut street. Owner, L. Rappaport, on premises. Brick, four stories, slag roof, electric lighting, steam heat. Architects have received bids.

**Hotel**, Atlantic City, N. J. \$2,500,000. Architect, Horace Trumbauer, Land Title Building. Owner, P. A. B. Widener, Land Title Building. Lessee, Ritz-Carlton Hotel Company, New York City. Six hundred rooms, stone, brick and steel, fireproof, twenty-two stories, 150x250 feet, electric light, steam heating. Architect taking bids due April 30. The following are figuring: Roydhouse Arey & Co., Fidelity Building; J. G. Doak & Co., Crozer Building; G. F. Fuller & Co., Morris Building; Cramp & Co., Denckla Building; Wells Bros. Company, Morris Building; Geo. Payne & Co., 401 South Juniper street; J. E. & A. L. Pennock, Land Title Building; John T. Brady, 103 Park avenue, New York; Cauldwell-Wingate Company, 381 Fourth avenue, New York; James Stewart & Co., 30 Church street, New York; Thompson Starrett Company, 49 Wall street, New York.

**Power House (add.)**, Christian street and Scuykill avenue. Architect, H. J. T. Windrim, Commonwealth Building. Owners, Philadelphia Electric Company, Tenth and Chestnut streets. Brick, four stories, 170x55 feet, slag roof, enameled brick, electric lighting. Architect taking bids due April 24. The following are figuring: Pomeroy Construction Company, 1609 Ranstead street; J. R. Wiggans & Co., Heed Building.

**School**, Berwyn, Pa. Architect, H. L. Reinhold, Tenth and Sansom streets. Owners, School District of Easton Township, Pa., care George S. Hutton, president. Brick, two stories, 44x87 feet, slate roof, electric lighting, hot water heating. Owners taking bids due May 1. The following are figuring: P. J. Hur-

ley, 1233 Cherry street; William R. Dougherty, 1608 Sansom street; W. F. Baldwin & Co., 41 South Fifteenth street; Wells Bros. Construction Company, Morris Building; J. S. Rogers Company, Moorestown, N. J.; J. Sims Wilson, 1125 Brown street.

**Church**, Fortieth and Powelton avenue. Architect, A. A. Ritcher, Lebanon, Pa. Owners, St. Stephen's Evangelical Lutheran Church, Fortieth and Powelton avenue. Stone, one story and basement, 75x100 feet, slate roof, electric lighting. Architect has received revised bids.

**Power House and Stack**, Bridgeton, N. J. Architect, private plans. Owners, The American Railway Company, 907 Witherspoon Building. Owners, Bridgeton Electric Company, Bridgeton N. J. Brick and concrete, one story, 34x92 feet, slag roof. Owners taking bids due April 24. Roydhouse Arey Company, Fidelity Building, are figuring.

**Apartments and Stores**, Atlantic City, N. J. Architect, S. G. Dobbins, Atlantic City, N. J. Owner, William H. Carroll & Co., Atlantic City, N. J. Brick, three stories, 30x75 feet, electric light, steam heat. Architect taking bids due April 25. J. W. Emery, 1524 Sansom street, is figuring.

**Residences (2)**, Atlantic City, N. J. Architect, W. W. Dickenson, 1524 Chestnut street. Owner's name withheld. Brick and plaster, three stories, asbestos shingle roof, electric lighting. Architect taking bids. E. J. Kreitzburg, 1345 Arch street, is figuring.

**Residences (14)**, Lincoln Drive and Horter street. Architect, private plans. Owner, Walter S. Bauer, Seventeenth and Butler streets. Brick, stone and plaster, three stories, 35x35 feet, electric lighting, hot water heating, hardwood floors, asbestos shingle roof. Plans in progress. Owners to take sub-bids.

**Passenger Station**, Tunnelton, W. Va. Architect, M. A. Long, Baltimore, Md. Owners, B. & O. Railway Company, Baltimore, Md. Brick, one story, 24x59 feet, electric lighting, steam heating, tile roof. Owners taking bids due April 27. The following are figuring: Roydhouse Arey & Co., Fidelity Building; J. E. & A. L. Pennock, Land Title Building; Irwin & Leighton, 126 North Twelfth street.

**Residence**, Red Bank, N. J. Architect, J. H. Freedlander, 242 Fifth avenue, New York. Owner, Andrew Freedman, care of architect. Brick, terra cotta, three stories, 92x75 feet, tile roof, electric lighting, steam heating, hardwood floors. Architect has received bids.



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Phones: BELL-LOCUST 1-24 N. E. Cor. 22d and Wood Streets  
KEYSTONE-RACE 8-24

**Factory**, Twenty-fourth and Wood streets. Architects, Sauer & Hahn, 1118 Chestnut street. Owner, Ford & Kendig, Twenty-fourth and Wood streets. Brick, steel, two stories, 40x30 feet, slag roof, electric lighting. Architect taking sub-bids.

**Residence**, Noble, Pa. Architect, private plans. Owner, R. H. Miller, Noble, Pa. Stone and plaster, two and one-half stories, 45x34 feet, shingle roof, electric lighting, hot water heating. Owners taking bids due April 25. H. E. Baton, Tenth and Sansom streets, is figuring.

**Residence**, Oak Lane, Pa. Architects, Stearns & Castor, Stephen Girard Building. Owner, J. B. Stetson, Fourth and Montgomery avenue. Stone, two and one-half stories, 95x100 feet, slate roof, electric lighting, hot water heating. Architects taking bids due April 24. The following are figuring: H. E. Baton, Tenth and Sansom streets; J. N. Gill & Co., Heed Building; F. E. Wallace, 1210 Sansom street; J. S. Cornell & Son, Land Title Building; William R. Dougherty, 1608 Sansom street; Fesmier & Mitchell, Glenside, Pa.; J. S. Wilson & Co., 1125 Brown street.

**Club House (alts.)**, Twelfth and Chancellor streets. Architect, L. V. Boyd, Harrison Building. Owners, Business and Professional Men's Club, on premises. Consists of new grill room. Architect has received bids.

**Garage, Cottage, Laundry and Power House**, Paoli, Pa. Architects, Evans, Warner & Bigger, Witherspoon Building. Owner, Mrs. S. B. Davis, Paoli, Pa. Stone, one and two stories, electric lighting, steam heating, shingle roof. Plans in progress.

**Residence**, Wissahickon, Philadelphia. Architect, G. S. Idell, Harrison Building. Owner, Robert Curry, care of architect. Brick, stone and stucco, two and one-half stories, 26x30 feet. Shingle roof, hot water heating. Architect taking bids, due April 26th. The following are figuring: Carr & Hinkle, 5822 Germantown avenue; Kohl & Megarge, 134 East Gorgas street; E. L. Cuthbertson, 334 Roxborough avenue.

**Warehouse**, Twenty-fourth and Wood streets. Architects, Sauer & Hahn, 1118 Chestnut street. Owners, Ford & Kendig, Twenty-fourth and Wood streets. Concrete, one story, slag roof, electric lighting. Plans in progress.

**Store Building**, Thirteenth and Vine streets. Architects, Sauer & Hahn, 1118 Chestnut street. Owner, H. Weinreith, care of architects. Brick, three stories. Plans in progress.

**Factory**, Twenty-fourth and Wood streets. Architects, Sauer & Hahn, 1118 Chestnut street. Owners, Ford & Kendig, Twenty-fourth and Wood streets. Brick, steel, two stories, 40x30 feet. Slag roof, electric lighting. Architects have received bids.

**Residence**, Chestnut Hill, Pa. Architects, McGoodwin & Hawley, 34 South Sixteenth street. Owner, William W. Harper, care of architects. Stone, two and one-half stories, 107x43 feet. Shingle roof, electric lighting, hot water heating, hardwood floors. Plans in progress.

**Residence**, Lancaster, Pa. Architect, William C. Prichett, 420 Walnut street. Owner, John L. Atlee, Lancaster, Pa. Brick and marble, three stories, 35x100 feet. Slate and tin roof, electric lighting, hot water heating, hardwood floors. Plans completed. Architect ready for bids.

**Tower**, Franklin and Church streets, \$11,000. Architects, E. F. Durang & Son, Inc., Twelfth and Chestnut streets. Owner, St. Joachim's Church, on premises. Brown stone. Plans in progress.

**Church**, Twenty-ninth and Dickinson streets, \$12,000. Architects, E. F. Durang & Son, Inc., Twelfth and Sansom streets. Owners, St. Gabriel's Church, on premises. Consists of interior finish and pews. Plans in progress.

**Church (add.)**, Seventeenth and Morris streets, \$7,000. Architects, E. F. Durang & Son, Inc., Twelfth and Chestnut streets. Owners, St. Thomas' R. C. Church, on premises. Brick, four stories, electric lighting, slag roof. Architects taking bids in a few days. William J. McShane, 417 South Thirteenth street, figuring.

**Residence**, Haverford, Pa., \$18,000. Architect, D. Knickerbacker Boyd, northeast corner Fifteenth and Walnut streets. Owner, A. A. Hirst, 211 South Sixth street. Stone, two and one-half stories. Architect taking revised bids, due April 27th. The following are figuring: Milton W. Young, Overbrook, Philadelphia; E. J. Hedden, 14 South Broad street; Fretz & Son, 1222 Chancellor street; George & Borst, 277 South Eleventh street; H. Specht, Jr., Willow Grove, Pa.; W. D. Smedley, Narberth, Pa.; J. D. Lengle, Wayne, Pa.

**Residence**, Haverford, Pa., \$18,000. Architects, De Armond, Ashmead & Bickley, 618 Chestnut street. Owner, A. A. Hirst, 211 South Sixth street. Stone, two and one-half stories. Shingle roof, electric lighting, vacuum heating, hardwood floors. Architects taking revised bids, due April 27th. The following are figuring: A. L. Fretz & Son, 1222 Chancellor street; George & Borst, 277 South Eleventh street; E. J. Hedden, 14 South Broad street; H. Specht, Willow Grove, Pa.

**Club House (alt. and add.)**, Wayne, Pa., \$5,000. Architects, De Armond, Ashmead & Bickley, 618 Chestnut street. Owners, the Saturday Club, Wayne, Pa. Frame, two stories, shingle roof, electric lighting, new heating plant (probably steam). Plans in progress. Architects will take bids about May 1st.

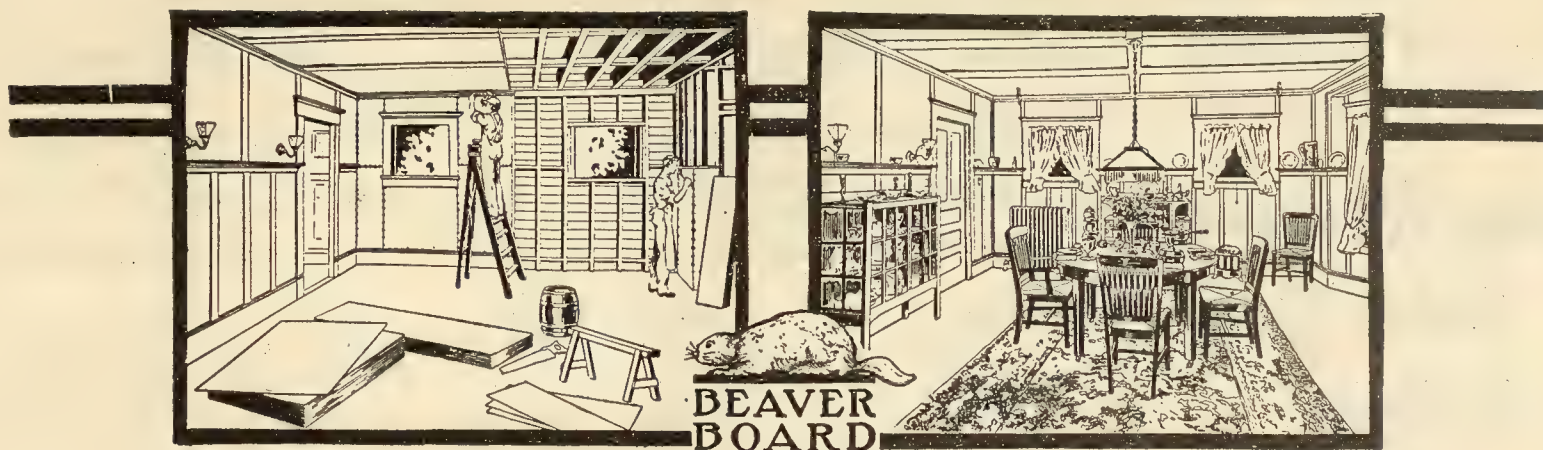
**Theatre**, Venango street and Erie avenue. Architects, John D. Allen Company, Denckla Building. Owners, George F. & Walter Stumpf, Pulaski avenue and Hansberry street. Brick, steel and terra cotta, two stories, 112x200 feet. Slag roof, electric lighting, steam heating. Plans in progress. Architects will take bids in about three or four weeks.

**Flat Houses (26)**, Queen Lane, Philadelphia, \$15,000. Architect, E. Allen Wilson, 1208 Chestnut street. Owner's name withheld. Brick, two stories, hot water heating, electric lighting, hardwood floors. Plans in progress.

**Residences (3)**, 428-30 Gaskill street. Architects, Barnett J. Medoff & Son, 524 Walnut street. Owners, L. C. Lowenstein & A. Granich, 528 South Fifth street. Brick, three stories, slag roof, electric lighting, hot water heating. Owners taking bids, due in a few days. The following are figuring: L. Lashner, Fifth and Morris streets; Jacob Gorchoo, 317 Reed street; Fred. Quale, 1323 Snyder avenue; S. Schultz, 920 Moyamensing avenue; M. Kirshner, 421 Snyder avenue.

**School**, Eighteenth and Wood streets, \$160,000. Architects, E. F. Durang & Son, Inc.,





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**Building**, Broad and Columbia avenue, \$45,000. Architects, E. F. Durang & Son, Inc., Twelfth and Chestnut streets. Owners, Sisters of Mercy, on premises. Brick, two stories, 35x120 feet. Hall, laundry and class rooms. Slag roof, electric lighting, steam heating. Plans in progress. Architects will be ready for bids in one month.

**Residence**, Haddonfield, N. J. Architects, Morris & Erskine, Crozer Building. Owner's name withheld. Hollow tile and concrete, two stories, 46x36 feet. Slate roof, electric lighting. Architects taking bids, due May 1st. The following are figuring: H. E. Grau Company, 1707 Sansom street; R. C. Ballinger & Co., 218 North Thirteenth street; William R. Dougherty, 1608 Sansom street; B. D. Prince, Haddonfield, N. J.; J. C. Hoopes, Haddonfield, N. J.; J. S. Rogers, Stanwick, N. J.

**Crucible House**, Tacony, Philadelphia, \$25,000. Architect, private plans. Owners, Henry Disston's Sons, Inc., Tacony, Philadelphia. Brick and mill construction, two stories, 63x143 feet. Slag roof, electric lighting. Plans

in progress. Owners to take bids in a few days.

**Office Building**, Wilkes-Barre, Pa. Architects, McCormick & French, Wilkes-Barre, Pa. Owners, Vulcan Iron Works, Wilkes-Barre, Pa. Brick, stone and concrete, four stories, 67x83 feet. Electric lighting, slag roof. Architects taking bids, due April 29th. Sax & Abbott, Hale Building, are figuring.

**ATLANTIC CITY, N. J.**

**Apartment House**, Atlantic City, N. J., \$10,000. Architects, Smith & Shull, Sheen Building, Atlantic City. Owner, Thomas Sheen, Atlantic City. Brick, three stories, 27x50 feet. Electric lighting, hot water heating, slag roof. Plans in progress.

**Club House (alt. and add.)**, Atlantic City, N. J., \$10,000. Architects, Stout & Reibenach, Bartlett Building, Atlantic City. Owners, Elk Hall Association, Atlantic City. Brick, three stories, electric lighting, hot water heating. Plans in progress.

**School**, Atlantic City, N. J., \$50,000. Architects, Stout & Reibenach, Bartlett Building, Atlantic City, N. J. Owners, Board of Education, Atlantic City, N. J. Brick and terra cotta, three stories, 144x170 feet. Slate roof, electric lighting, steam heating. Plans about completed. Architects will be ready for bids in one month.

**Residence**, St. Martins, Philadelphia. Architect, E. B. Gilchrist, Harrison Building. Owner, Dr. George Woodward, North American Building. Brick and plaster, two and one-half stories, 20x100 feet, shingle roof, hot



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## Contracts Awarded

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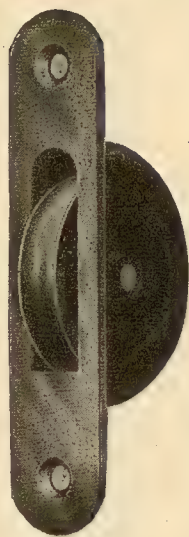
**Institute (add.)**, 324 South Eleventh street. Architects, Bissell & Sinkler, Bailey Building. Owners, Lincoln Institute, on premises. Brick,

four stories, 47x84 feet, tin roof, steam heating, electric lighting. Contract awarded to William R. Dougherty, 1608 Sansom street.



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water heating, electric lighting, hardwood floors. Contract awarded to Fred Elvidge, 5522 Germantown avenue.

**Warehouse (alt.),** Twenty-first and Washington avenue. Architect, private plans. Owners, Lit Bros., Eighth and Market streets. Brick, three stories, slag roof. Contract awarded to Lam Building Company, 1001 Wood street.

**Y. M. C. A.,** Atlantic City, N. J. Architect, Horace Trumbauer, Land Title Building. Owners, Y. M. C. A. Building, Atlantic City, N. J. Brick, stone, terra cotta, five stories, 54x93 feet, electric lighting, hot water heating, hardwood floors. Contract awarded to Roydhouse Arey & Co., Fidelity Building.

**Theatre,** Forty-first and Lancaster avenue. Architect, John D. Allen, Denckla Building. Owner, Mrs. J. Effinger, 4130 Parkside avenue. Brick, two stories, 56x172 feet, slag roof, electric lighting, steam heating. Contract awarded to B. Ketchams Sons, 1029 Brown street.

**Residence (alt. and add.),** Ardmore, Pa. Architects, McIlvaine & Roberts, Land Title Building. Owner, W. C. Janney, Ardmore, Pa. Stone and frame, two and one-half stories, electric lighting, hot air heating, hot water heat. Contract awarded to Graham-Campion Company, Heed Building.

**Club House,** Twenty-third and Ludlow sts. Architects, Ballinger & Perrot, 1211 Arch street. Owners, Philadelphia Automobile Club. Brick and concrete, fireproof, two stories, 137x220 feet, slag roof, electric lighting, steam heating. Contract awarded to Irwin & Leighton, 126 North Twelfth street.

**Telephone Exchange,** Cumberland, Md. Architect, J. T. Windrim, Commonwelath Building. Owners, Chesapeake & Potomac Telephone Company. Brick, three stories, 35x71 feet. Electric lighting, steam heating, slate roof. Contract awarded to H. L. Brown, 1714 Sansom street.

**Residence (alt. and add.),** Jenkintown, Pa. Architect, H. B. Price, 105 West Fortieth street, New York. Owner, H. B. Warburton, Jenkintown, Pa. Stone and brick, three stories, electric lighting, slag roof, steam heating, hardwood floors. Contract awarded to Charles Gilpin, Harrison Building.

**Church,** Twenty-third and Lehigh avenue. Architect, H. D. Dagit, 411 Walnut street. Owners, St. Columbia's R. C. Church, on premises. Stone, one story, 68x161 feet, electric lighting, steam heating, hardwood floors, slag roof. Contract awarded to Melody & Keating, Bailey Building.

**Building,** 762 South Fourth street. Architect, J. Medoff & Son, 524 Walnut street. Owner, Hyman Kurtzman, on premises. Brick, three stories, slag roof, electric lighting, hot air heating. Contract awarded to Louis Cohen, 417 Christian street.

**Residence,** West Chester, Pa. Architects, Duhring, Okie & Zeigler, Bailey Building. Owner, A. B. Williamson, West Chester, Pa. Brick, two and one-half stories, electric light. Contract awarded to Smedley & Hoopes, West Chester, Pa.

**Church,** Sharon Hill, Pa. Architects, E. Hazelhurst, 1433 Chestnut street. Owners, The Sharon Hill Presbyterian Church, Sharon Hill, Pa. Stone, one story and basement, 42x105 feet, slate roof, electric lighting, steam heating. Contract awarded to William R. Dougherty, 1608 Sansom street.

**Residence,** Ardmore, Pa. \$30,000. Architects, Thomas, Churchman & Molitor, 1309 Walnut street. Owner, Howard Butcher, 421 Chestnut street. Brick, two and one-half stories. Contract awarded to J. E. Kearney, 327 North Sixty-third street.

**Armory (alt. and add.),** Broad and Diamond streets. Architect, Philip Johnson, Land Title Building. Owner, Second Regiment Armory, on premises. Brick, two stories, slag roof, electric light, steam heat. Bids were opened as follows: W. E. Dots & Co., \$54,444; Mitchell Bros., \$54,996; E. F. Fonder, \$56,130; Thomas Reilly, \$58,025; Philadelphia Construction Company, \$59,500; E. E. Hollenbach, \$59,600; Ed. Fay & Sons, \$61,475; Joseph Bird & Co., \$61,700; George Hogg, \$62,341; Stacey Reeves & Sons, \$64,330.

**Freight House and Office,** Port Richmond Branch. Architect, William Hunter, Reading Terminal. Owners, Philadelphia and Reading Railway Company, Twelfth and Market sts. Brick, one story, 24x190 feet, electric light, slag roof. Contract awarded to Brown-King Construction Company, Harrison Building.

**Stable,** Atlantic City, N. J. Architects, Mortensen & Co., 114 East Twenty-eighth street, New York. Owners, American Ice Company, Sixth and Arch streets. Brick, three stories, 46x149 feet, slag roof. Contract awarded to Herman Voight, 1251 North Twenty-eighth street.

**Store Building (alt. and add.),** 4251 Lancaster avenue. \$2,000. Architect, James C. Fernald, 5533 Wyalusing avenue. Owner, George Shoemaker, 4249 Lancaster avenue. Brick, one story, 18x22 feet electric light, steam heating. Contract awarded to M. H. McCloskey Company, 608 Chestnut street.

**Laboratory Building,** Stenton avenue. \$27,000. Engineer, John G. Brown, Witherspoon Building. Owners, Atwater-Kent Mfg. Company, 40 North Sixth street. Brick and concrete, one story, 120x167 feet, slag roof, electric lighting, steam heating. Contract awarded to George & Borst, 277 South Eleventh street.

**Residence,** Lansdowne, Pa. Architect, W. H. Richie, Stephen Girard Building. Owners, David P. Richie, Lansdowne, Pa. Stone, three stories, 32x43 feet, shingle roof, hot water heating, electric lighting. Contract awarded to R. C. Ballinger & Co., 218 North Thirteenth street.

**Office Building,** Twelfth, between Wharton and Reed streets. \$8,445. Architect, William E. Groben, City Hall. Owners, Department of Public Works, City Hall. Brick, two stories, 24x48 feet. Contract awarded to John W. Emery, 1524 Sansom street.

**Residence,** Port Kennedy road, Bridgeport, Pa. Architect, A. B. Lacey, 1012 Walnut street. Owner, B. J. Stenger, care of architect. Frame, slate roof, steam heating, 30x40 feet, two and one-half stories. Contract awarded to J. H. Maguire, Wayne, Pa.

**Buildings,** Wilmington, Del., \$300,000. Architect, private plans. Owners, Harlan & Hollingsworth, Wilmington, Del. Brick, steel and concrete, two and three stories. Slag roof, electric lighting. Contract awarded to F. A. Havens & Co., 845 North Nineteenth street.

**Garage,** Devon, Pa. Architects, Duhring, Okie & Zeigler, Bailey Building. Owner, H. H. Harrison, Lafayette Building. Stone, one and one-half stories, 38x34 feet. Slate roof,



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electric lighting. Contract awarded to Gray Brothers, Rosemont, Pa.

**Stable**, Carlisle street and Columbia avenue. Architects, E. F. Durang & Son, 1200 Chestnut street. Owners, Sisters of Mercy, on premises. Brick, two stories, 21x54 feet, electric lighting, slag roof. Contract awarded to J. McShain, 631 North Seventeenth street.

### ATLANTIC CITY, N. J.

**Residences and Stores (2)**, Atlantic City, N. J. Architect, J. R. Ogden, Bartlett Building. Owner, J. Blumberg, Atlantic City, N. J. Brick, two stories, 48x50 feet. Slag roof, electric lighting, hardwood floors. Contract awarded to Brown Bros., Atlantic City, N. J.

**Apartment House**, Stenton and Atlantic avenues, Atlantic City, N. J. Architects, Smith & Shull, Sheen Building, Atlantic City. Owner, James Quinn, Atlantic City, N. J. Brick, three stories, 50x60 feet. Slag roof, electric lighting, hot water heating. Contract awarded to Beaumont Bros., Bell Riddle Building, Atlantic City.

**Church and School**, Atlantic City, N. J., \$25,000. Architect, W. P. Enderbrook, American Mechanics Building, Trenton, N. J. Owners, St. Michael's Church, 6 North Mississippi avenue, Atlantic City. Brick and stone, three stories, 50x140 feet. Steam heating, electric lighting, slag roof, hardwood floors. Contract awarded to Abacus Construction Company, Bartlett Building, Atlantic City, N. J.

**City Hall (add.)**, Ventnor, N. J., \$11,000. Architect, J. V. Mathias, Bartlett Building. Owners, City Hall Building Committee, Ventnor, N. J. Brick, two stories, 30x65 feet. Electric lighting, steam heating, slate roof. Contract awarded to Beaumont Construction Company, Bell Riddle Building.

**Fire House**, Atlantic City, N. J., \$65,000. Architect, S. H. Vaughn, Bartlett Building. Owners, City of Atlantic City. Brick, two stories, 46x122 feet. Tile roof, electric lighting, hot water heating, enamel brick. Contract awarded to Beaumont Construction Company, Bell Riddle Building, Atlantic City, N. J.

**Residences (6)**, Atlantic City, N. J., \$20,000. Architect, private plans. Owner, Joseph Dissanti, Atlantic City, N. J. Brick, two and one-half stories, 16x60 feet. Hot water heating, slate roof, electric lighting. Contract awarded to Abacus Construction Company, Bartlett Building.

**Garbage Plant (alt. and add.)**, Atlantic City, \$20,000. Architect, private plans. Owners, Atlantic Product Company. Brick and concrete, one story, 60x100 feet. Slag roof, electric lighting. Contract awarded to E. L. Bader, Atlantic City, N. J.

**Pier**, Atlantic City, N. J., \$300,000. Architect and engineer, Hennebique Construction Company, New York. Owners, Exposition Pier Company, Atlantic City, N. J. Concrete and steel, one story, 161x1940 feet. Contract awarded to Hennebique Construction Company, New York.

## Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Frank Joskin (O), Seventy-seventh and Brewster avenue. Cost, \$8,000. Four dwellings, two stories, brick, 16x38 feet, Seventy-eighth and Lycock avenue.

B. Sterry (O), 255 South Fifth street. B. Bornstein (C), 409 South Fifth street. Cost, \$9,000. Two dwellings, brick, three stories, 14x48 feet, Fifth and Pine streets.

Seibold & Heamon (O), 106 East Wyoming avenue. Louis Seibold (C), 115 East Wyoming street. Cost, \$3,000. One dwelling, brick, two stories, 16x50 feet, Front and Wyoming streets.

Nickolas Columbia (O), 77 Bordwick street. E. G. Burwell (C), 2327 Ellsworth street. Cost, \$3,600. Two dwellings, brick, 16x40 feet, Seventy-eighth and Ewing streets.

Haines, Jones & Cadbury Company (O), Twelfth and Ridge avenue. William Steele & Sons Company (C), Sixteenth and Arch streets. Cost, \$19,000. Factory addition, four stories, brick, Ninth and Hamilton streets.

Herman Auth (O), 1911 Auth street. Cost, \$8,400. Seven two-story brick dwellings, 14x35 feet, Ruan and Tackawanna street.

Frank Cherkas (O), 739 Jackson street. Cost, \$6,000. Four dwellings, two stories, brick, 16x36 feet, 402, 406, 408 Preston street.

Charles T. Hallowell (O), 530 North Fifty-sixth street. Twenty-five two-story dwellings,

16x53 feet. Cost, \$75,550. Sixty-first and Webster streets.

J. Wanamaker (O), Thirteenth and Market streets. William Steele & Sons Company (C), Sixteenth and Arch streets. Cost, \$30,000. Warehouse, one story, brick, 87x273 feet, Twenty-first and Washington avenue.

E. M. Patrick (O), 317 North Sixty-first street. J. W. Hemple (C), 61 North Sixty-second street. Cost, \$3,000. Dwelling, brick, two stories, 16x57 feet, 313 North Sixty-first street.

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### Alterations and Additions

William Miller (O), 6948 Torresdale avenue. F. W. Van Loon (C), Denekla Building. Cost, \$1,080. Garage, Torresdale, Pa.

Point Breeze Park (O), Twenty-fifth and Penrose avenue. Cost, \$2,000, \$800, \$2,000, \$3,600. Park.

J. N. Kolb (O), 6700 North Seventh street. Schullban & Reuter (C), 1314 Ridge avenue. Cost, \$600. Dwelling.

A. S. Powell (O), 622 South Sixtieth street. H. Reuswick (C), 137 North Tenth street. Cost, \$1,000. Dwelling.

Robert Roseman (O), 2539 South Eleventh street. Cost, \$400. Dwelling, Seventieth and Buist avenue.

Carroll R. Williams (O), 3708 Chestnut street. Stewart & Jellett (C), Franklin Bank Building. Cost, \$800.

Allegheny Amusement Company (O), 3139 Frankford avenue. E. A. Chase & Sons (C), Walnut lane, Manayunk. Cost, \$2,700. Theatre, 3139 Frankford avenue.

Labin Manufacturing Company (O), Twentieth and Indiana avenue. C. E. Bell (C), 223 South American street. Cost, \$1,200. Power house.

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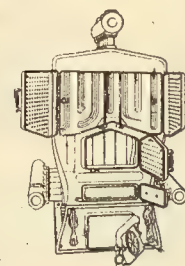
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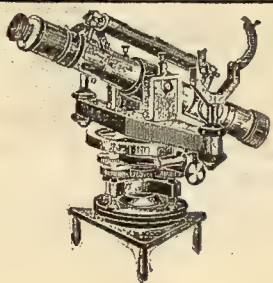
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R. W. Burdsell (O), Germantown, Philadelphia. R. B. Clark (C), 1917 Callowhill street. Cost, \$1,100. Store, 1927-29 Market street.

B. F. Roberts (O), 523 Erie avenue. Samuel Morrison (C), 3601 North Fifth street. Cost, \$425. Garage.

Fidelity Mutual Life Company (O), 112 North Broad street. F. H. Vodges (C), 4151 Leidy avenue. Cost, \$1,200. Office building.

Hilton Dying and Furnishing Company (O), 2712 Jasper street. G. H. Thirsk (C), 4415 Frankford avenue. Cost, \$900.

Charles Toner (O), Broad and Erie avenue. Thomas A. Quinn (C), Elkins Park, Pa. Cost, \$1,200. Saloon, Richmond and Lehigh avenue.

S. J. McMichan (O), 350 North Preston street. Mitchell Bros. (C), 2125 Race street. Cost, \$500. Dwelling, 350 North Master street.

W. Lippincott (O), 2101 Walnut street. G. G. Sloan (C), 2041 Sansome street. Cost, \$1,300. Dwelling, 324 South Twenty-first street.

S. Kidoff (O), 1220 Pine street. Morris Zelin (C), 817 North Eighth street. Cost, \$900. Dwelling and store, 1220 Pine street.

Louis F. Harlan (O) 624 South Sixtieth street. F. C. Boul, Jr. (C), 5146 Market street. Cost, \$800. Store and dwelling, Sixtieth and Walton avenue.

E. J. Bahls & Co. (O), Nineteenth and Market street. Stacey Reeves & Sons (C), 1611 Filbert street. Cost, \$3,000. Restaurant, Nineteenth and Market streets.

F. H. Chase (O), 110 West Johnson street. E. A. Heffner (C), 60 West Washington Lane. Cost, \$1,200. Garage.

P. C. Tomson Company (O). F. W. Kneas (C), 1232 Race street. Cost, \$500. Boiler house.

S. Lieberman (O), 505 Chestnut street. A. Barsky (C), 421 Tasker street. Cost, \$2,500. Store, 38 South Second street.

J. Wanamaker (O), Thirteenth and Market streets. William Steele & Sons company (C), Sixteenth and Arch streets. Cost, \$6,000. Warehouse, Twenty-first and Washington avenue.

Halton Dyeing Company (O), 2712 Jasper street. George H. Shirke (C), 4413 Haverford avenue. Cost, \$450. Yard.

S. Atkins (O), 8300 Eastwick avenue. Louis Siegel (C), 8405 Eastwick avenue. Cost, \$6,000. Dwelling, 320 to 332 South Sixtieth street.

R. Robinson (O), 6605 Germantown avenue. L. W. Ketselman (C), 125 East Upsal street. Cost, \$4,000. One dwelling, brick, three stories, 16x56 feet.

J. V. Redmond (O), 4910 Monument road. William Bull (C), Media, Pa. Cost, \$1,500. Garage.

Chales McDonall (O), Southwest corner Ninth and Race streets. Barch & Co. (C), 402 Cherry street. Cost, \$850. Saloon.

J. Bohringer (O), Fifth and Huntingdon avenue. William Frieling (C), 2553 North Fifth street. Cost, \$700. Dwelling, 2602 Orkney street.

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Joseph Keen (O), 223 North Sixth street. W. F. Schoppi (C), Elkhert and Everett sts. Cost, \$1,400. Dwelling, 2867, 69, 71, 73 Stanton street.

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J. M. Holm (O), 5556 Arch street. Cost, \$500. Shed, Fifty-sixth and Vine streets.

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Max Sevine (O), 1129 Poplar street. A. Rubin (C), 1127 Thompson street. Cost, \$650. Store and dwelling, 654 North Twelfth street.

E. F. Fisher (O), 2206 North Lawrence street. F. K. Stahl (C), 2713 North Park avenue. Cost, \$1,800. Building, 427 West Susquehanna avenue.

Patrick Cunningham (O), 2054 St. Albans street. J. O. O'Neill (C), 1823 Mountain street. Cost, \$985. Dwelling, 2054 St. Albans street.

N. Ludasher (O), 152 Apsley street. John Dear (C), 4544 Green street. Cost, \$1,000. Dwelling, Apsley and Wayne avenue.

Miss A. W. and G. Mason (O), 1636 Pine street. F. A. Stoll (C), 1432 Germantown avenue. Cost, \$600. Dwelling.

William Gordon (O), 1515 North Thirty-third street. M. Marks (C), 502 Moore street. Cost, \$770. Dwelling, 1701 Passayunk avenue.

F. Goldstein (O), 1518 Ridge avenue. William Bogupolsk (C), 716 Morris street. Cost, \$500. Store and dwelling, 1518 Ridge avenue.

James Rubenstone (O), 1607 Susquehanna avenue. E. C. Durell (C), 1713 North Twenty-fourth street. Cost, \$1,800. Store and dwelling, 1614 Susquehanna avenue.



## ARCHITECTURE AND THE ALLIED ARTS.

Eighteenth Annual Exhibition of the Philadelphia Chapter, American Institute of Architects, and the T-Square Club.

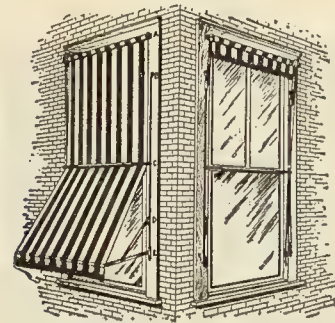
One may withhold approval of the somewhat sweeping affirmation of Mr. Walter Crane to the effect "that architecture without the allied arts would be a very sorry affair indeed," and yet recognize clearly the immense gain in popular interest the Eighteenth Annual Exhibition of the Philadelphia Chapter and the T-Square Club,—now open in the galleries of the Philadelphia Academy of Fine Arts,—owes to the agreeable sense of variety begotten of a judicious blending of architecture per se with architectural accessories of the better sort. Gauged by last year's exhibition, the collection of architectural drawings, mural design, craftsmanship and ceramics at the Academy shows a marked and distinguished advance in the direction of order, arrangement and that feeling for contrast and harmony which plays so subtle yet effective a part in the success of exhibits of the kind.

To mention, in a review limited to the space at our disposal, everything notable in a display presenting so little that is wanting in distinction is, of course, quite out of the question. The best that one may hope to do, facing such an embarrassment of riches, is to jot down after a fragmentary fashion those items in the catalogue which, for one reason or another, are of unusual interest, omitting perforce much that because of its intelligently wrought artistry should come in for special notice.

One of the striking circumstances in connection with the architectural show proper is the admirable and astonishing fullness and completeness of the sections allotted to entries under this head. Here are shown plans, sketches and perspectives for every conceivable kind of edifice from the charming country houses of Mellor & Meigs, D. Knickerbacker Boyd, Lawrence Visscher Boyd, Bissell & Sinkler, Morris & Erskine, Brockie & Hastings, Duhring, Okie & Ziegler, Wilson Eyre & Melvaine, and Thomas, Churchman & Molitor up to elaborate tours de force such as John T. Windrim's superb perspective of the auditorium projected for East Fairmount Park, and the building for the Thomas W. Evans Museum; Day Brothers & Clauder's quaint, characteristic and altogether charming sketch of the Cloister and Refectory, Freshman Dormitory, Princeton University;

Bissell & Sinkler's plot plan and perspective for the splendid Confederate memorial at Richmond, and Price & McLanahan's fairy-like conceptions for great modern caravanseries at Asheville, N. C., and at Porto Rico. A feature of the present exhibition is the number and uniform excellence of the photographs shown of finished work. Included among these are reproductions of the beautiful Provost's Tower, designed by Messrs. Cope & Stewardson for the University of Pennsylvania; the new Union Station at Worcester, Mass., designed by Messrs. Watson & Huckel; a number of pleasing store fronts and country house interiors together with views of the delightful landscape work of J. Fletcher Street, Thomas W. Sears, Brunley & Holbrook and Charles W. Leavitt, Jr.

Nicola D'Ascenzo, of the D'Ascenzo Studios, shows five exquisite studies in stained glass design, each stamped with the note or distinction peculiar to the work of this master of decorative design. In the same field of ecclesiastical motive stand out a number of fine studies in the same medium from the talented brush of Henry J. Thouron. The Arts and Crafts Guild is represented by a very creditable display of Mercer tile, garden ornaments and other decorative objects in clay and metal. Mention of metal recalls one to the highly artistic, beautiful and intricate work shown in wrought iron by Samuel Yellin, of the School of Industrial Art, and to a wonderful cathedral lock designed by Frank Koralewsky and made by Russell & Erwin. Mural and decorative studies are shown by Gertrude Lambert, Gertrude Monaghan, R. Burton C. Keeler, W. T. Benda, Charles Basing, and J. Monroe Hewlett. Among features of the exhibit which come in for more than passing interest must be mentioned a full size plaster model shown of a porte cochere door designed by Albert Kelsey for Dr. George Fales Baker. This model with its excellent proportions, its suggestion of the jovial grotesque and its very effective and highly decorative lamp, is, in its way, a delightful conception. The Society of Beaux Arts Architects of New York City is represented by a number of "projects" and "analytiques" rendered in recent competitions. The Exhibition Board, jointly selected by Philadelphia Chapter and the T-Square Club, to whose zeal, energy and

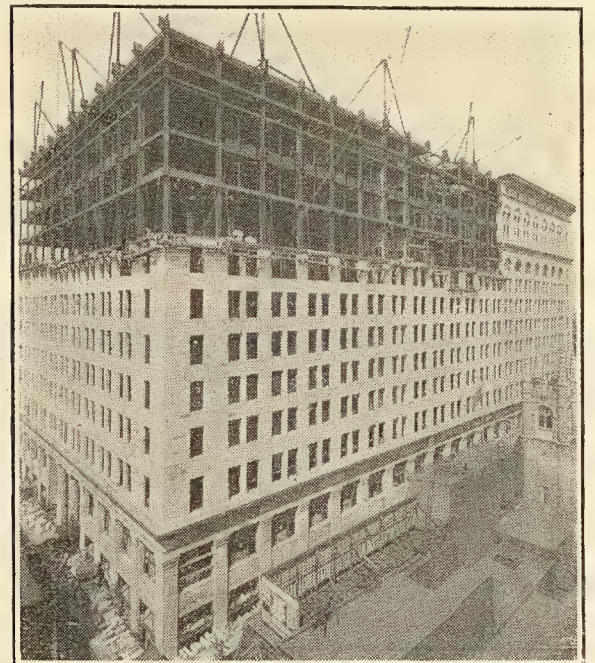


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trained artistic intelligence much of the conspicuous success attending the present exhibition is due, consists of John Molitor, chairman; Edwin H. Fetterolf, treasurer; C. A. Ziegler, secretary; C. L. Borie, Jr., Edmund C. Evans, W. W. Sharpley, J. P. B. Sinkler, and Collier Stevenson. The exhibition closes May 5th. D.

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### ABOUT GUTTERS.

The question of gutters on a house has long been a perplexing one to both client and architect. Our ancestors seem to have done without them and to have been little disturbed by the damage done to paths, grass and flower beds when the rain poured from the roof. We moderns, in trying to avoid this, have invented all sorts of contrivances to carry the water along the roof to the leader. Of these the standing gutter and the hanging gutter are the best known. In an ordinary house that lays no claim to distinction either of these types will serve the purpose, but the truth is, they are both most inartistic. The hanging variety, as a rule, is made of galvanized iron or copper and is at best a flimsy looking affair that hides whatever crown moldings may be on the eaves, and that conflicts by reason of its downward pitch, with the horizontal roof lines. The standing variety is built in on top of the eaves, generally on the roof boarding, though sometimes let into the rafters to further conceal its ugliness. Unless exceptionally well constructed it rots out in a short time, being much affected by continual thawing and freezing of snow and ice in the gutter. When so many disadvantages can be charged against these two most employed types of gutter it seems strange that the really best kind—one that has been known for a long time—should not be more generally used. We refer to the simple V-shaped hanging gutter built up of two boards screwed together. It may be hung level to conform with the architecture, as the necessary pitch is secured by laying a scant strip inside at the bottom of the V; and may be made something of a feature by having the fine wrought iron or cast copper brackets to support it.—“House Beautiful.”

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### ANOTHER TOWER.

Every once and awhile old New York remembers that it is to be a “city of towers” and proceeds to build one. Of course every tall building cannot and should not have the form of a tower, but perhaps the number that have been and will be erected will be sufficient on the whole to give the city in time that

general appearance which many architectural critics hope it will be permitted to assume. The latest plan for a tower building has been filed by Buchman & Fox, architects for Edward W. Browning, at Nos. 110-112 West Fortieth street. It will contain thirty stories and will be walled with terra cotta on the exterior surfaces and ornamented on all four sides.

### HUGE PIER AT ATLANTIC CITY.

The Hennebique Construction Company, 1170 Broadway, Manhattan, has signed the contract to erect a concrete pier at Atlantic City, 2,200 feet long, 162 feet wide, of reinforced concrete, using reinforced concrete piles of the “Hennebique” patent. The piles at the shore end will be about 40 feet long and on the extreme ocean end 60 feet long. The deck will be of reinforced concrete beams and girders with granolithic cement floor finish. This contract will amount to about \$400,000 and is to replace the old Young’s pier. A group of New York and Philadelphia capitalists is backing the project.

To get all the meat out of the cocoanut, you have to read the advertising pages and “trade topics” of your trade paper.—Cement World.

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Play-it-on-a-hunch advertising is not the kind that wins out. The steady, persistently repeated note of appeal is what tells.—Cement World.





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RESIDENCE OF GEORGE W. MASSEY, LAMBERTVILLE, N. J.

## RESIDENCE AT LAMBERTVILLE, N. J. FOR MR. GEORGE W. MASSEY.

If the average person contemplating the building of a home could be brought to realize the importance of taking time to go into the matter thoroughly before awarding the contract, considerable expense and disappointment might be spared. The house illustrating this article was not built until after the plans had been studied by the client for nearly a year.

The desire of the client from the beginning was to secure a distinctive home rather than an impromptu house. They had a quantity of fine Colonial furniture and the rooms were studiously arranged for its accommodation. Each closet, the dressers, location, size and arrangement of windows and doors, were all given attention. The commission to design such a house was one to the liking of the architect, inasmuch as all interior arrangements were suggested by the clients and the designing of the architectural forms left exclusively to his own judgment.

The house is designed in the Colonial style, followed as closely as possible consistent with certain practical requirements. It is constructed of up-draft repressed stretcher red brick laid in Flemish bond. In order to

break the sharp line at the ground the base was made of local granite with a beveled water table. The entrance porch is connected to the side porch by an open terrace. The roof is of Vermont green slate and the valleys, gutters, etc., are of copper.

Upon entering the Colonial doorway a vista is obtained of the main portion of the first floor. At the rear of the hall a plain Colonial staircase leads to the second floor and continues to the third. On the main landing is a beautiful leaded glass window with a fan top effect designed in harmony with the main entrance side lights and transomes. No color was permitted, the effect being obtained by using different textures of white glass arranged to set off the geometrical design to best advantage. Under the staircase a toilet has been conveniently planned. A secret closet is also provided under the staircase for overshoes, umbrellas, etc. Fixed seats (under which radiators are concealed) have been provided on either side of the main entrance door.

Particular consideration was given in the plan arrangement for conveniently entertaining guests. Instead of one large opening; two

smaller doorways were provided from the hall to the salon so as to permit of easy egress.

The finely proportioned salon is lighted with a massive Colonial chandelier. The formal appearance of the mantel is relieved by a well selected color scheme of hand-made Moravian tile, each tile having an individual tone and shape. The field of the facing is of golden brown, the large decorated tiles and borders being two shades of blue; the hearth of deep red plain tiles laid in a diamond pattern, interspersed with decorated tiles. It is to be noted that the radiators, while not entirely concealed, are set in chases under the windowsills in such a manner as to be hardly noticeable. The fine old carved sofa, Sheritan chairs and tables are heirlooms of the family.

The library and dining-room are located to the left of the hall, the former being finished in quartered brown stained oak; the dining-room in birch and cherry stained to harmonize with the mahogany furniture. The leaded glass transom over the sideboard is enlivened with a painted scene, giving just the needed touch of color. The bookcase and china-closet doors are glazed with leaded glass in a plain geometrical design. The fireplace facings and hearths are also of Moravian tile, the color scheme of that in the library being red and the dining-room green.

(Continued on Page 282)



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PHILADELPHIA, PA., APRIL 24, 1912.

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## AMERICAN ARCHITECTURE FROM THE ENGLISH POINT OF VIEW.

"The Builder," of London, pays American architects the compliment of an admission that "whatever limitations American architecture may have from the European point of view or by comparison with the great periods of the past, it would probably be safe to say that in no other country at the present day does architecture more readily respond to the demands of the moment—the erection of the best possible building in the shortest possible time.

"The demands of a comparatively new and rapidly growing community," says "The Builder," "are different in some respects from those of a mature and more settled civilization. In the rush of material progress something of value may have to be left behind, subtleties may possibly be overlooked, but the essentials necessary to that progress are demanded and American architecture does not fail to supply them."

Coming from an English magazine, this is tantamount to a somewhat robust commendation of the ready adaptability of the work of the American practitioner to the utilitarian aspect of his problem—rather a large compliment in its way when one pauses to consider how important a part the purely utilitarian demands of a project play in the best modern architecture. The shortcomings of the English architect comes in for comment in the same article in a vein highly flattering to American methods.

## "THE LITTLE THEATRE" AND THEATRICAL ARCHITECTURE.

Time was when the term "theatre" associated itself with a certain fixed type of more or less "gingerbread" and overdone design. Several garish specimens of the kind still stand here in Philadelphia, one of which, with its crowning mockery of tawdry domes and wooden minarets, comes dangerously close to being a horrible example of everything which good art should not be. Not until the Garrick Theatre was evolved from the old Keystone Bank building could we show a sensible departure from this ancient ideal of trumpery ornamentation. The Keith Theatre, beautiful in its way, embodies more than a suggestion of the old idea that a play house must be of showy and elaborate exterior. A sensible modification of this idea is found in the Forrest, Lyric and Adelphi, and a still more sensible modification of it in the new Metropolitan Opera House. Now comes word from New York of a new playhouse so charming, dainty and refined in its isolation from all of the quondam theories accepted in connection with playhouse design as to mark a distinct advance not only to higher but to more reasonable and rational architectural ideals. In "The Little Theatre" just completed in that city we have a play house on the lines of Mr. Ryerson Jennings'

"Little Hotel Wilmot," on South Penn Square—Georgian in design, plain yet luxurious in its appointments, distinguished at all points and excellently adapted to its uses without a single note of over-elaboration or trumpery. The owners aimed in planning it at a skillful blending of good taste with a certain air of cosy exclusiveness. The architects, Mr. Harry Creighton Ingalls and Mr. F. Burrall Hoffman, Jr., have achieved this aim under the happiest auspices. The result is a playhouse in which the effect is attained of an entertainment in a tastefully appointed drawing room. From an architectural point of view "The Little Theatre" is particularly admirable in that it establishes a precedent for breaking away from the hideous plaster-of-Paris and frame absurdities which used to stand as types of this class of construction. There is a remote chance that one of the Philadelphia managers may be moved to attempt something along the same lines to the lasting betterment of local theatrical architecture.

## PAINTER AND ARCHITECT—NE- CESSITY FOR COMMUNITY OF IDEALS.

Just as in the planning of a country house the work of beautifying the grounds must be done under the direction of the architect in order to arrive at a scheme of harmonious relation between the house and its setting, so in the case of the public building must the work of the decorator be similarly subordinated if one aims to prevent the introduction of a jarring note into the general scheme of design. Cases are all too common in which the mural decorations, for example, carried out by lay authority, result in an effect patently bizarre, not to say obviously at cross purposes, with the motif of the building itself considered as an artistic entity. If it may be considered the duty of the architect to pass upon the sculptural work required for an important public edifice in order that this underlying symmetry of the idea upon which the design is based may not be destroyed, then it is equally as valid to contend that the same careful supervision be extended to interior embellishment mural and other. Sir Alfred East, Hon. A. R. I. B. A., writing upon this question of the relationship which in cases of the kind should exist as between painter and architect, observes:

"The architect is, or should be, responsible for the absolute completion of a public building, and it is unfair to criticize him if some local authority assumes the responsibility of its decoration. It would be a great step on the way to obtain a perfect and completed scheme if the architect and the painter were brought into more intimate contact, and, by the interchange of ideas, to help each other to understand the peculiar claims of their individual crafts. During the last generation the architect has taken the sculptor more thoroughly into his confidence, and the author would like to see the same confidence extended to the painter. The place of



the mural painting should have been considered by the architect in the creation of his plan, as much as that of the sculptor; neither is required for the actual structural qualities of the building, but both are a necessity for its perfect completeness."

To show the utter imbecility of the contention often heard that the mural ornamentation is a thing apart from and with no relevancy to the architectural scheme, one has only to imagine a musical comedy in which this element of cohesiveness is lacking. Let one try to suppose a musical play in which the book, lyrics and music have been evolved without plan or collaboration, and one must gather in some sense how important is this community of ideals to a rounded and harmonious result.

### "SCIENTIFIC EFFICIENCY" ORIGINATED BY THE BUILDER OF THE GREAT DOME OF THE FLORENCE CATHEDRAL.

The interesting if somewhat belated discovery has been made that even "scientific efficiency" is not new—in fact, is old enough to date back to Filippo Brunelleschi and the year of our Lord 1420. Into the work of erecting the great dome of the Cathedral in Florence little Brunelleschi is said to have introduced economies in time and labor differing in degree only from the "scientific efficiency" ideas of the present day. To begin with, he prepared the first working model, done to scale, of which the world has record. He knew the exact dimensions of every great stone to be used and the shape in which it was to be dressed. He mapped out the work in such a way as to minimize to a degree never before heard of all delay in the progress of the work. He constructed devices for raising and placing the stones original to his own fertile brain, and he arranged to have lunch served his men on the tower to avoid delay in descending and reascending for this purpose. All honor to little Filippo Brunelleschi! And by that same token more honor to the noble profession of architecture. For Filippo Brunelleschi was an architect.

Thus it happens that the newest and most modern of the sciences had its origin in an expositor of one of the oldest and most ancient of the arts.

### THE SWASTIKA.

The origin and history of the curious charm known as the swastika have been exhaustively described by Dr. T. Carr, an English antiquarian. He claims that the origin of the swastika dates back to pre-Christian days. Investigation has led him to believe that it was originally the symbol of polar star worship and that it was the most ancient and widely distributed symbol that had ever existed. It has been found in Chaldea, among the ruins of the earlier cities of Troy, in Egypt, on the pre-historic relics of Greece, on Hittite remains, on pre-historic American Indian

mounds, in South America, in Buddhist remains in India, on Roman altars, on Runic crosses in Great Britain, in Coptic churches of the tenth century and on English brasses of the thirteenth and fourteenth centuries. It is still used in India, Tibet, China, Korea and Japan as a sign of long life, good wishes and good fortune; it is also used by the Lapps and the Finns.—Exchange.

### AS TO ARCHITECTS' FEES.

#### Further Discussion of the Proposed Higher Scale for Residential Work.

The American Institute of Architects allows 6 per cent. for complete architectural services, including sketches, working drawings and details, taking of figures, letting of contracts, superintendence of the construction and the payment of all contractors' bills. This institute, however, recommends a higher scale for residences and alteration work. Most architects adopt a sliding scale, 7 to 8 per cent. for work less than \$10,000 and 6 per cent. for all work over that amount.

"What should be charged," declared an architect in "Country Life in America," "is 10 per cent. straight for all residence work. This is the amount of clear profit usually figured upon by the contractor. I have kept careful count of the time spent on all work turned out of my office, and by an empirical rule based on the salaries of the draughtsmen employed this time is reduced to office hours. I have figured that to return myself an income of \$5,000 a year there should be a gross receipt of \$3 for each office hour expended on a building. Perhaps to expect an income of \$5,000 a year is presumptuous in as humble a member of society as an architect.

"Nevertheless, some of us do, and if it were not for a factory building once in a while most of us would be disappointed. Of eight houses recently completed the lowest return was \$1.75 an office hour and the highest \$3.19, with an average of \$2.28. Remodelling jobs at 10 per cent. commission will return higher. I might further state that my office is run in a very economical way and the maximum salary paid is \$25 a week. This should amply demonstrate that the practice of architecture is not a lucrative one, and I believe that of the professions it returns the least in money for the capital invested, the arduous labor required and the great responsibilities incurred.

"Possibly we make one set of sketches; more likely we make five or six. Consultation with our clients last usually from 8 P. M. to 11.30, and we cheerfully give up our evenings because our client tactfully informs us that he is too busy during the day to waste any time talking about plans. Finally the plans are completed and are changed back and forth and back again, each time patiently and for nothing. The specifications also are completed. An owner should realize that an architect is not a necromancer. He is just as dependent as the owner or the contractor. He cannot, by a wave of his hand or his pencil,

make a \$10,000 house cost \$5,000. An owner can say, 'Here is \$6,000; do the best you can for me,' or he can say, 'I want so and so; keep the price as low as you can.' But he cannot say, 'I want so and so and won't pay a cent over \$6,000 for it.' Maybe he can get it, and maybe he can't. The contractor determines that question.

"The architect will make mistakes, but small wonder. Did you ever stop to consider what an architect must know? First, the artistic side: here he must start with a certain amount of Godgiven talent. To design properly an architect must have or thinks he must have exact and intimate knowledge of the great styles of architecture. This knowledge is usually acquired in four years of arduous study at school, either at home or abroad. Furthermore, he must know something—no, he must know a great deal—about the following professions, civil engineering, the design of beams, trusses, etc., mechanical engineering for heating and power plants, sanitary engineering for plumbing, electrical engineering for wiring, etc.

"To construct his building he must have exact and minute knowledge of each one of the twelve or more trades that enter into it. This is essential for efficient superintendence, and it comprises, for instance, knowledge of characteristics of all kinds of woods, the properties of all varieties of building stone, the strengths of the different mixtures of concrete, properties of plaster and methods of manufacture, the same of slate, sheet metal, hardware, glass, tile, paints, stains and varnishes, plumbing goods, boilers, radiators, etc. Not only that, but he must be acquainted with the prices of these articles. He must be a business man, for he lets all your contracts and pays by certificate all your bills, and he must have a knowledge of building law because under the laws of most states mechanics' liens may be levied by contractors and sub-contractors, and yet after all—artist, engineer, builder, financier, lawyer though he be, it availeth him nothing if he cannot get the job."

\*\*The Atlantic Radiator Company, Philadelphia, Pa., announces that it is engaged in making repairs and extensive improvements to its plant at Huntington, Pa., including the enlargement of its buildings and equipment and, as a result, has temporarily closed its foundry. Bids are being taken for a new core room, 60 feet by 80 feet, with necessary equipment, an electric elevator for the cupola, and a new testing plant. New patterns are being prepared to enable the foundry to be run at its maximum capacity. Judson A. Goodrich has been appointed manager of this company.

Are you aware that "The Guide" prints every week more real, live, readable, up-to-the-minute stuff about architecture and building than any two of its more pretentious contemporaries? Fact, just the same. Compare 'em and see.



## Spring House Cleaning

House cleaning time is a bore and a nuisance—it wouldn't be if houses were wired and equipped for the use of Electric Vacuum Cleaners and Electrical household appliances. Builders in wiring their houses should see to it that baseboard sockets are provided in every apartment. The cost is next to nothing at the time and is a constant source of comfort during the life of the property.



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MANUFACTURERS

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## RESIDENCE AT LAMBERTVILLE

(Continued from page 279)

The floors in the main portion of the first floor and the entire second floor are of the finest quality of selected quartered white oak, each board showing full flakes. The salon, hall and entire second floor are finished in white enamel. The doors are veneered with mahogany.

The service portion of the house is in some respects the most interesting of all. A built-in refrigerator is provided in the pantry, arranged so that ice may be put in from the rear porch. A block tin pipe coil is placed in the bottom of the ice chamber and is connected to a private drinking water line which is independent from the town water supply. Outlets connected with this line are also provided for the kitchen sink and main bath room lavatory. The dresser has glazed doors and adjustable shelves; one end being arranged as a table leaf closet. The cellar stairs are placed so that they are adjacent to both the main and rear portions of the house.

The kitchen arrangements, which in the main were suggested by the client, have been carefully studied and well thought out. The most interesting feature is probably the large dresser at the end which has doors that are really small closets. The shelves are supported on moveable cleats so that they may be raised or lowered at will, thus providing the maximum amount of shelf space. Every house-wife knows that dresser shelves are seldom, if ever, arranged with regard to what they are to contain. Instead of the movable cleats supported on ratchet metal plugs such as are used in book-cases could be used to advantage and at trifling extra cost. The zinc

lined kneading board and the bread and meat cutting boards are novel features. Most house-wives find that the standard height of two feet six inches for the sink is too low. The sink in this kitchen is set three feet above the floor. The window sill over the sink is of slate so that anything may be laid upon it without fear of leaving an unsightly mark which would occur had a wood sill been used. The clock shelf, an inexpensive though greatly appreciated accessory, was included. Both coal and gas ranges are provided. An ash pit is provided in the cellar under the coal range so that the dust annoyance is reduced to the minimum.

The hot water circulating boiler is placed in a closet where shown on the plan and is connected with an automatic gas water heater as well as with the range hot water back. The laundry and servants' toilet are conveniently arranged. A small dining and sitting room just off the kitchen is provided for the use of the maids and experience has shown this to be a wise provision. From this room the rear stairs rises to the main second floor landing.

The bed rooms, placed at the four corners of the second floor, have each two exposures. All are connected. Two of the chambers have lavatories with medicine closets above. The guest room as shown in the illustration is furnished with Colonial family heirlooms. The bath room is as complete and up-to-date as any one could wish. Notice the drinking water outlet on the lavatory and the green and white rug which matches the tile work. The leaded glass window has a delicate tint, just sufficient to take away the usual cold look of the tiled bath rooms. A small porch, where clothing may be aired or dusted, is arranged just off the main stair landing.

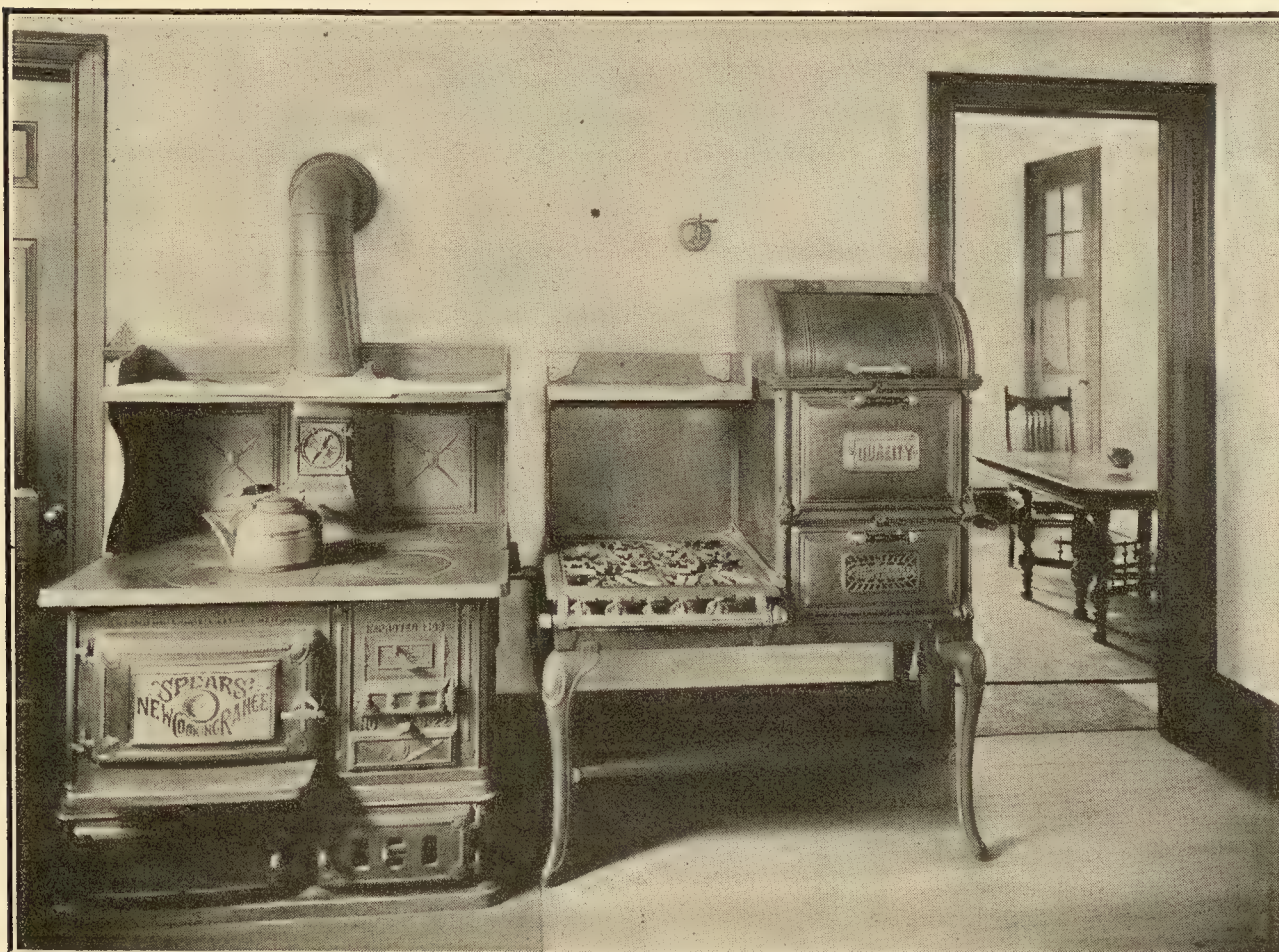
Each of the bed room closets has a built-in clothes pole so that clothing may be hung in an orderly manner on suitable hangers instead of on hooks as is usually the case. By this means more clothing may be hung in the closets than by the old method. Most of the closet doors have full length mirrors and several have drawers for shoes, hats, etc.

The third floor contains three large airy bed rooms, a store room and bath room. The space above is ventilated by a large dormer on the rear so that these rooms in summer are about as cool as those on the second floor.

The house is warmed by a new type of hot water heating system in which the piping and radiators are decreased in size and the water is forced by means of a generator, to travel through the radiators and back to the boiler at a more rapid rate than in the usual method. A constant and uniform temperature is maintained in the house regardless of the weather conditions by means of a temperature regulator. Two or more radiators are provided in all the principal rooms so that the temperature of one room may be reduced if desired, by turning off one radiator without interfering with the temperature of any other room.

The house is amply lighted with both gas

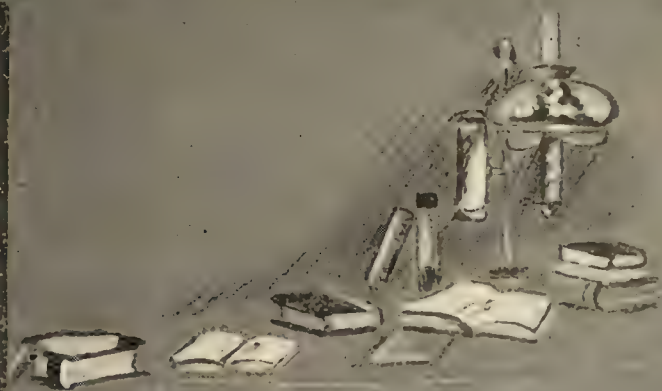
(Continued on page 284)



KITCHEN—RESIDENCE OF GEORGE W. MASSEY

Spear Range furnished by Spear Stove and Heating Co. Phila.





Architects  
Schermmerhorn and Phillips, Phila.

INTERIORS, RESIDENCE OF GEO. W. MASSEY, LAMBERTVILLE, N. J.



## Proposals

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### SEALED PROPOSALS

TREASURY DEPARTMENT, OFFICE OF the Supervising Architect, Washington, D. C., April 6, 1912.—Sealed Proposals will be received at this office until 3 o'clock P. M. on the 18th day of May, 1912, and then opened, for an electric passenger elevator in the United States post office, Oklahoma City, Okla., in accordance with the drawing and specification, copies of which may be obtained at this office at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect.

TREASURY DEPARTMENT, OFFICE OF the Supervising Architect, Washington, D. C., April 17, 1912.—Sealed proposals will be received at this office until 3 o'clock P. M. on the 29th day of May, 1912, and then opened, for an electric passenger elevator in the United States post office, Lander, Wyo., in accordance with the drawing and specification, copies of which may be obtained at this office at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect.

TREASURY DEPARTMENT, OFFICE OF the Supervising Architect, Washington, D. C., April 15, 1912.—Sealed proposals will be received at this office until 3 o'clock P. M. on the 27th day of May, 1912, and then opened, for the construction, complete (including plumbing, gas piping, heating apparatus, electric conduits and wiring, and lighting fixtures), of the United States post office at Westfield, Mass. The building is one story and basement and has a ground area of approximately 4,350 square feet; fireproof construction except roof; stone and granite facings. Drawings and specifications may be obtained from the custodian of site at Westfield, Mass., or at this office, at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect.

TREASURY DEPARTMENT, OFFICE OF the Supervising Architect, Washington, D. C., April 18, 1912.—Sealed proposals will be received in this office until 3 o'clock P. M. on the 31st day of May, 1912, and then opened, for the construction complete (including, gas piping, heating apparatus, electric conduits and wiring, and lighting fixtures), of the United States post office at Charleroi, Pa. This building is to have two stories and basement of approximately 4,156 square feet ground area; stone faced, slate roof, and fireproof construction except the roof. Drawings and specifications may be obtained from the custodian of the site or at his office at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect.

The finest automobile will not run when the tank is empty, and the finest space can not pull unless it is filled with copy that grips interest.—"Printer's Ink."

## RESIDENCE AT LAMBERTVILLE.

(Continued from page 282)

and electricity, numerous ceiling and bracket outlets being provided. The first, second and third floor hall lights, in addition to being controlled by switches on each floor, are also controlled by switches in the owner's bed room. Pilot lights which operate in connection with the cellar outlets are placed in the kitchen so that one may quickly ascertain whether the cellar lights have been left turned on by mistake. An indicating switch outlet is provided in the kitchen for connection to an electric iron. A similar outlet is also provided in the sewing room for connection to the sewing machine motor. Outlets are provided on each floor for connection to the vacuum cleaning apparatus in the basement and switches are provided on each floor to control the motor.

The cellar, in addition to providing accommodations for the heating apparatus and storage for fuel, also contains a provision room and preserve closet and has an outside cellar-way.

Very little has as yet been attempted in the way of landscape architecture. A number of handsome trees were on the property and the fine vegetable and old-fashioned flower gardens on the rear have been preserved.

This house, which contains so many comforts and a few luxuries, is thoroughly representative of the type of residences that are being built throughout the country for the discerning few who want houses that are in every sense a home. The house illustrated was erected at Lambertville, N. J., for Mr. George W. Massey and was designed by C. E. Schermerhorn and Watson K. Phillips, associate architects, 430 Walnut street, Philadelphia, Pa.

The trouble with some advertising is that it is like the conversation of certain people—it never says anything.—"Novelty News."

An advertisement should stick out like a sore thumb without being so sensitive.—"Novelty News."

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Amount of transfers.....\$1,441,262.00  
Cash consideration ..... 254,962.00  
Mortgage consideration ..... 1,186,300.00  
Ground rent consideration..... 796.75  
Which on a six per cent. basis  
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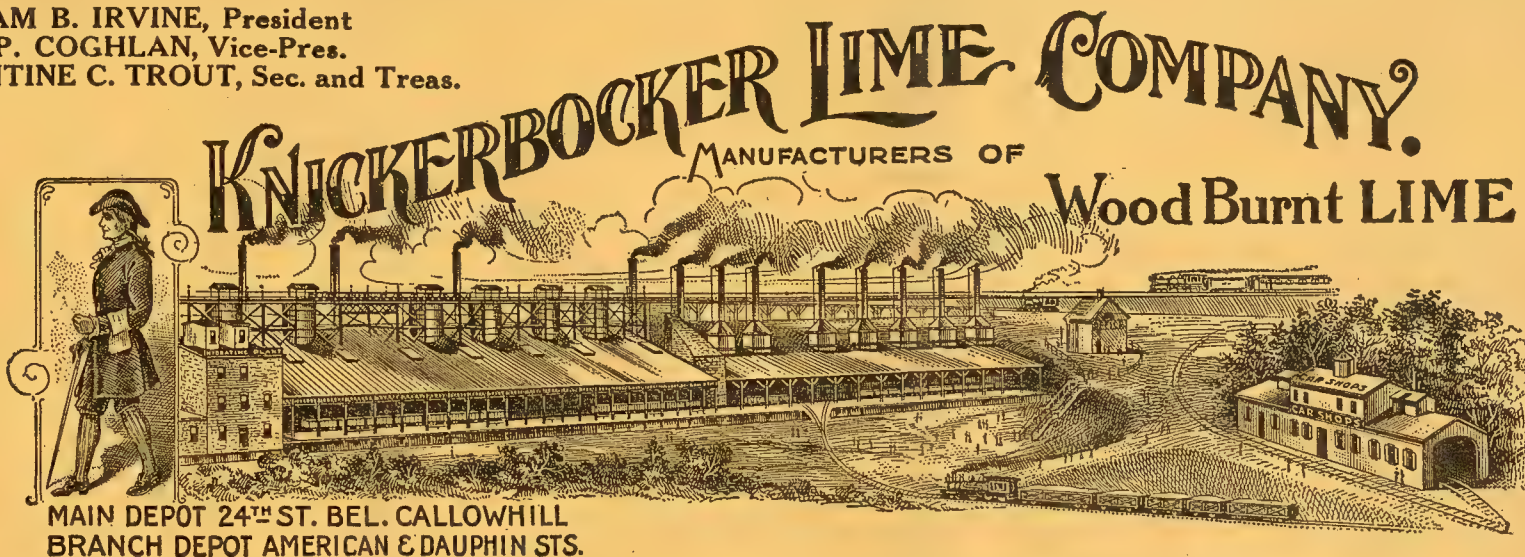
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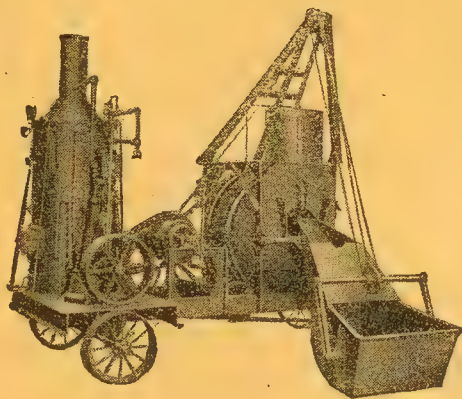
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Vol. XXVII., No. 18.

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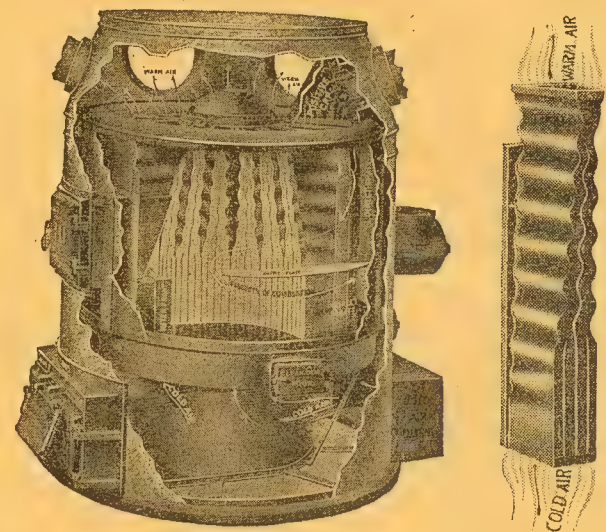
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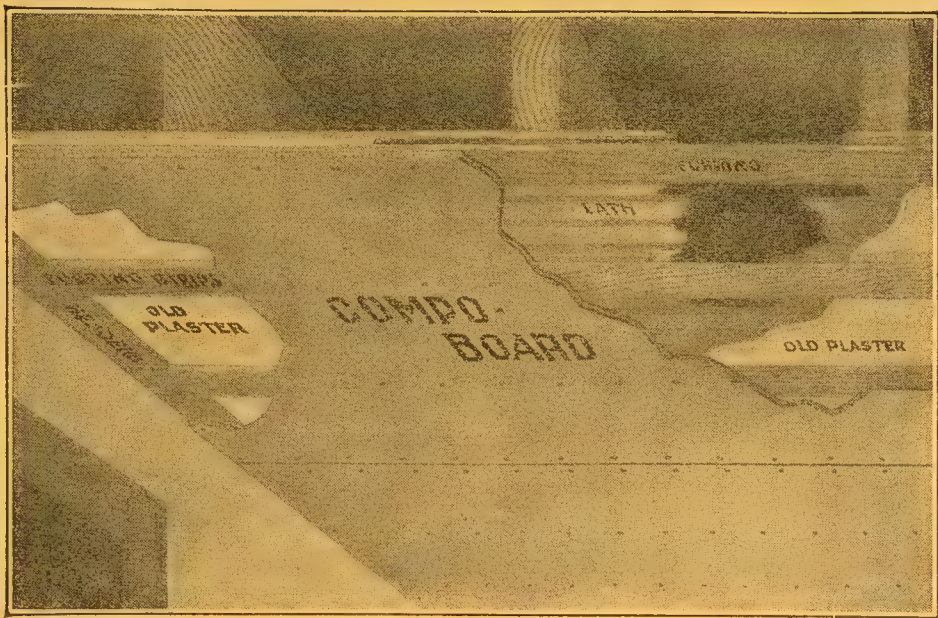


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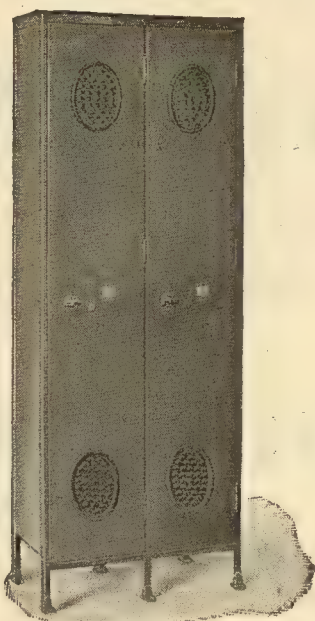
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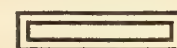
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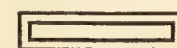


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# THE PHILADELPHIA REAL ESTATE RECORD AND *Builders' Guide*

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Vol. XXVII., No. 18.

PHILADELPHIA, WEDNESDAY, MAY 1, 1912.

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## Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Bldg.** (alt. and add.), 33 North Eleventh street. Architect, Benj. Rush Stevens, Eighteenth and Filbert streets. Owner, William A. Beavan, on premises. Brick, three stories, electric light. Architect has received bids.

**Mill**, Norristown, Pa. Architect, private plans. Owner, Louis Taubel, Norristown, Pa. Brick, three stories, 116x42 feet, slag roof, electric light. Owner taking bids. F. W. Van Loon, Denckla Bldg., figuring.

**Bldg.** (alt. and add.), 1500 Arch street. Architect, F. G. Caldwell, Stephen Girard Bldg. Owner, W. C. Benkert, Real Estate Trust Bldg. Brick, three stories, electric lighting, slag roof, tin roof. Architect taking bids, due May 1st. The following are figuring: J. W. Emery, 1524 Sansom street; W. R. Dougherty, 1608 Sansom street; H. C. Rea Co., 711 North Fifteenth street; Bowers & Logan, 2010 Chancellor street; J. F. Davies, 1208 Chestnut street; F. W. Van Loon, Denckla Bldg.

**School** (add.), Falls of Schuylkill, Philadelphia. Architect, Jacob Naschold, 723 Walnut street. Owners, St. Richard's R. C. Church, on premises. Stone, two stories, 50x75 feet, slate roof, electric light, steam heat. Plans in progress.

**Residences (4)**, Dover, Del. Architect, Jacob Naschold, 723 Walnut street. Owner, Mr. Charles Wilson, Dover, Del. Frame, 2½ stories, 30x32 feet, shingle roof, electric light, steam heat. Architect taking bids, due May 6th. H. Collens, Dover Lumber & Mills Co., E. Coffin and Harvey Riggs, all of Dover, Del., figuring.

**Stable**, Eleventh and Wharton streets, \$5568. Architect, Carl Zilenziger, City Hall. Owners, City of Philadelphia. Frame, one story, 30x60 feet, slag roof, electric lighting. E. H. Sturts, 2615 Ridge avenue, submitted the lowest bid.

**Bridge**, Lewiston, Pa. Architects, Day & Zimmerman, 608 Chestnut street. Owners, Lewiston & Reedville Elec. R. R. Steel and wood, 120 ft. tower. Architects taking bids, due May 8th. The following are figuring: Belmont Iron Works, Twenty-second street and Washington avenue; Steel & Wike, Stephen Girard Bldg.; Pennsylvania Const. Co., Rothschild Bldg.; I. T. Shoemaker, Harrison Bldg.; McClintic Marshall Co., Morris Bldg.; American Bridge Co., New York.

**Residence**, Wilmington, Del. Architect, Charles B. Keen, Bailey Bldg. Owner, Dr.

Joseph Whales, Wilmington, Del. Sayre & Fisher brick, 2½ stories, 50x40 feet, electric lighting, vapor heat, shingle roof, hardwood floors. Architect has received bids.

**Church** (add.), Mt. Airy, Philadelphia. Architect, J. Naschold, 723 Walnut street. Owners, Mt. Airy M. E. Church, Mt. Airy, Pa. Stone, one story, 61x69 feet, electric lighting, steam heating, slag roof. Architect taking bids, due May 6th. The following are figuring: Joseph A. Bird & Co., 213 North Eleventh street; W. J. Gruhler, 219 High street; J. E. Walt, 204 East Willow Grove avenue.

**Residences (4)**, Radnor, Pa. Architect, Jacob Naschold, 723 Walnut street. Owners, Mary J. Chew and M. M. Brown, Radnor, Pa. Electric lighting, hot-water heating, stone and frame, 2½ stories, 26x35 feet, shingle roof. Architect taking bids, due May 6th. The following are figuring: Joseph Bird & Co., 213 North Eleventh street; Carvan Const. Co., 5143 Irving street; M. Young, Overbrook, Pa.

**Loft Bldg.**, Randolph and Wood streets. Architects, Peuckert & Wunder, 310 Chestnut street. Owners, Berko Bros., 327 North Randolph street. Brick, concrete, five stories, 62x86 feet, steam heating, hardwood floors, slag roof, electric light. Architects taking bids, due May 1st. Passenger and freight elevator. The following are figuring: H. E. Grau Co., 1707 Sansom street; George Hogg, 1634 Sansom street; Cramp & Co., Denckla Bldg.; George Kessler, Drexel Bldg.; Roydhouse Arey Co., Fidelity Bldg.; Philip Haibach Const. Co., Twenty-sixth and Thompson streets; J. H. Gill Co., Heed Bldg.; George & Borst, 277 South Eleventh street; P. J. Gaffney & Co., 130 North Twelfth street; J. Myers & Sons, Witherspoon Bldg.; Turner Forman Concrete Steel Co., 1314 Arch street; Linker-Loose Co., 348 South Fourth street.

**Garage**, Overbrook, Pa. Architects, Shore & Dodge, 608 Chestnut street. Owner, Mr. Winthron Knowles, Overbrook, Pa. Brick, two stories, slate roof, electric lighting. Plans in progress.

**Stable**, Ninth and Elm streets, Camden, N. J. Architect, Charles J. Brooke, 519 Federal street, Camden. Owner, E. Maehler & Co., on premises. Brick, two stories, 50x62 feet, slag roof, electric lighting (elevator reserved by owner). Owners taking bids due April 30. Smith Hardican Co., 1606 Cherry street, figuring.

**Hotel and Office Building**, Jacksonville, Fla. Architects, Thompson & Frohling, 114 East Twenty-eighth street, New York. Owner, Mason Investment Co., Jacksonville, Fla. Brick and stone, 12 stories, 225x75 feet, enamel brick, slag roof, electric lighting, steam heating. Architects taking bids due May 17. Chas. McCaul Co., Tenth and Sansom streets, are figuring.

**Office Building**, Wilkes-Barre, Pa. Architects, McCormick & French, Wilkes-Barre, Pa. Owner, Vulcan Iron Works, Wilkes-Barre, Pa. Brick, four stories, 65x82 feet, tin and slag roof, hot water heating, steam heat, electric lighting. Architects taking bids due April 30. Sax & Abbott, Hale Building, are figuring.

**Office Building**, South Bethlehem, Pa. Architect, A. W. Leh, South Bethlehem, Pa. Owners, The Lehigh Coke Co., South Bethlehem, Pa. Brick, two stories, 52x48 feet, slag roof, electric lighting. Owners have received bids.

**Gymnasium** (interior completion), Mercersburg, Pa. Architects, Day Bros. & Klauder, 927 Chestnut street. Owner, Mercersburg Academy, Mercersburg, Pa. Brick, interior alterations and additions, hardwood floors, electric lighting, steam heating. Architects have received bids.

**Cottage**, Pocono, Pa. Architects, Morris & Erskine, Crozer Bldg. Owner, J. H. Bartlett, care Architects. Stone and frame, 2½ stories, 40x40 feet, shingle roof, electric lighting, hot-air heating. Contract awarded to John Davies, 1208 Chestnut street.

**Residence** (alt. and add.), 108 West Queen lane, Germantown. Architects, Morris & Erskine, Crozer Bldg. Owner, Mrs. M. M. Hess, on premises. Brick and stucco, 2½ stories, add. 25x26 feet, metal roof, interior alterations. Contract awarded to John Davies, 1208 Chestnut street.

**Passenger Station and Sheds**, Harrison, N. J. Architect, A. C. Shand, Office of the Chief Engineer, Philadelphia, Pa. Owners, Pennsylvania R. R. Co., Philadelphia, Pa. Frame, one story, iron, 30x15 feet and 20x50 feet, slag roof, electric lighting, steam heating. Owners have received bids.

**Sanitarium Bldgs.**, Cresson, Pa. Architects, Welsh, Sturdevant & Poggi, Wilkes-Barre, Pa. Owners, State Board of Health, Harrisburg, Pa. Stone and frame, one and two stories, shingle roof and asbestos, electric lighting, steam heating. Owners taking



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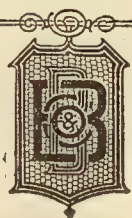
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**N. E. Cor. 22d and Wood Streets**

bids, due May 4th. F. T. Mercer Co., 1706 Delancey street, figuring.

**Assoc. Bldg.,** Fifteenth and Cherry streets. Architects, Bunting & Shrigley, 603 Chestnut street. Owners, Young Friends' Association, Fifteenth and Cherry streets. Brick, fireproof, seven stories, 85x51 feet, slag roof, electric lighting, steam heating. Architects have received revised bids.

**Residence,** Eighteenth and Race streets. Architect, H. D. Dagit, 411 Walnut street. Owner, Archgishop Prendergast, 228 West Logan Square. Stone, three stories, 52x100 feet, hardwood floors, electric light, steam heating, tile roof, elevator, electric. Architect has received bids.

**Church and Parish House,** Ogontz, Pa. Architect, L. V. Boyd, Harrison Bldg. Owners, St. John's Evangelical Church. Stone, one story, 45x90 feet and 30x70 feet, slate roof, steam heating, electric lighting. Plans in progress. Architect will take bids in two weeks.

**Garage,** 2126-28-30 Market street. Architects, Stuckert & Sloan, Crozer Bldg. Owner, Frank Hardart, 818 Chestnut street. Brick, concrete, fireproof, slag roof, 66x125 feet, two stories and basement, electric light, steam heat. Plans completed. Architects ready for bids.

**Home,** Fifty-third street and Chester avenue. Architects, Ballinger & Perrot, 1211 Arch street. Owners, Little Sisters of the Poor, on premises. Granite, four stories, 37x111 feet, wing 52x53 feet, four stories and basement, tile roof, electric light, steam heat. Architects taking bids, due May 6th. The following are figuring: William R. Dougherty, 1608 Sansom street; Doyle & Co., 1519 Sansom street; W. J. McShane, 417 South Thirteenth street; Charles Mills, 2647 Almond street.

**Residence and Garage,** Trenton, N. J. Architect, W. W. Slack, Trenton, N. J. Owner, F. J. Wetzel, Trenton, N. J. Brick and plaster and concrete, six stories, tile roof, electric lighting, 33x62 feet. Architect taking bids, due April 29th. H. I. Brown, 1714 Sansom street, figuring.

**Y. M. C. A. Bldg.,** Reading, Pa. Architects, Shattuck & Hussey, Chicago, Ill. Owners, Y. M. C. A. Bldg., of Reading, Pa. Stone, brick and concrete, six stories, 103x135 feet, slag roof, electric lighting, steam heating. Architects taking bids, due May 1st. The following are figuring, in addition to those previously reported: H. L. Brown, 1714 Sansom street; L. H. Focht, Reading, Pa.; F. T. Nesbit, New York; Charles McCaul Co., Tenth and Sansom streets; Doyle & Co., 1519 Sansom street; Beard & Co., Reading, Pa.

**Residence,** Oak Lane, Pa. Architect, George U. Rehfuß, 1524 Chestnut street. Owner, W. K. Smith, care Architect. Brick, 2½ stories. Too early for details. Plans in progress.

**Residence,** Elkins' Park, Pa. Architects, Heacock & Hokanson, Bailey Bldg. Owner, W. Parke Moore, 3544 North Sixteenth street. Hollow tile, plaster, 2½ stories, 62x59 feet, tile roof, hot-air heating, electric lighting. Architects taking bids, due May 3d. The following are figuring: William H. Eddleman, 453 Green lane; F. B. Davis, 35

South Seventeenth street; A. R. Raff, 1635 Thompson street; Metzger & Wells, Heed Bldg.; F. L. Hoover & Sons, Builders' Exchange; McClintock & Weaver, 24 Phil-Elena street.

**Passenger Station and Sheds,** Elizabeth, N. J. Architect, Chief Engineer, 143 Liberty street, New York, N. Y. Owners, Central R. R. of N. J., New York. Brick, one story, 30x70 feet, electric lighting, steam heat, slate roof. Owners taking bids, due May 1st. J. E. and A. L. Pennock, Land Title Bldg., are figuring.

**Armory Bldg.,** Pottsville, Pa. Architects, McCormick & French, Wilkes-Barre, Pa. Owners, State Armory Board, 13 Denning Section, Harrisburg, Pa. Brick, two stories, 119x39 feet, electric light, steam heat, slag roof. Revised plans in progress.

**Head House and Platform,** Twenty-fourth and Market streets. Architect, H. B. Nicholas, Chief Engineer, Eighth and Dauphin streets. Owners, Philadelphia Rapid Transit Co., Eighth and Dauphin streets. Steel and wood, electric light. Owners have received bids.

**Residence,** Oakland, Pa. Architect, private plans. Owner, Philip D. Fowler, 39 Laurel street. Stone and plaster, 2½ stories, 30x35 feet, slate roof, electric lighting. Owner has received bids.

**Residence,** Chestnut Hill, Pa. Architects, McGoodwin & Hawley, 34 South Sixteenth street. Owner, W. Harper, care architects. Stone, 2½ stories, 31 x 91 feet, shingle roof, electric lighting, hot-water heating, hardwood floors. Architects taking bids, due May 1st. The following are figuring: Stokes Bros., 6723 Musgrove avenue; H. L. Brown, 1714 Sansom street; F. B. Davis, 35 South Seventeenth street; John E. Walt, 204 East Willow Grove avenue; F. Elvidge & Son, 5522 Germantown avenue.

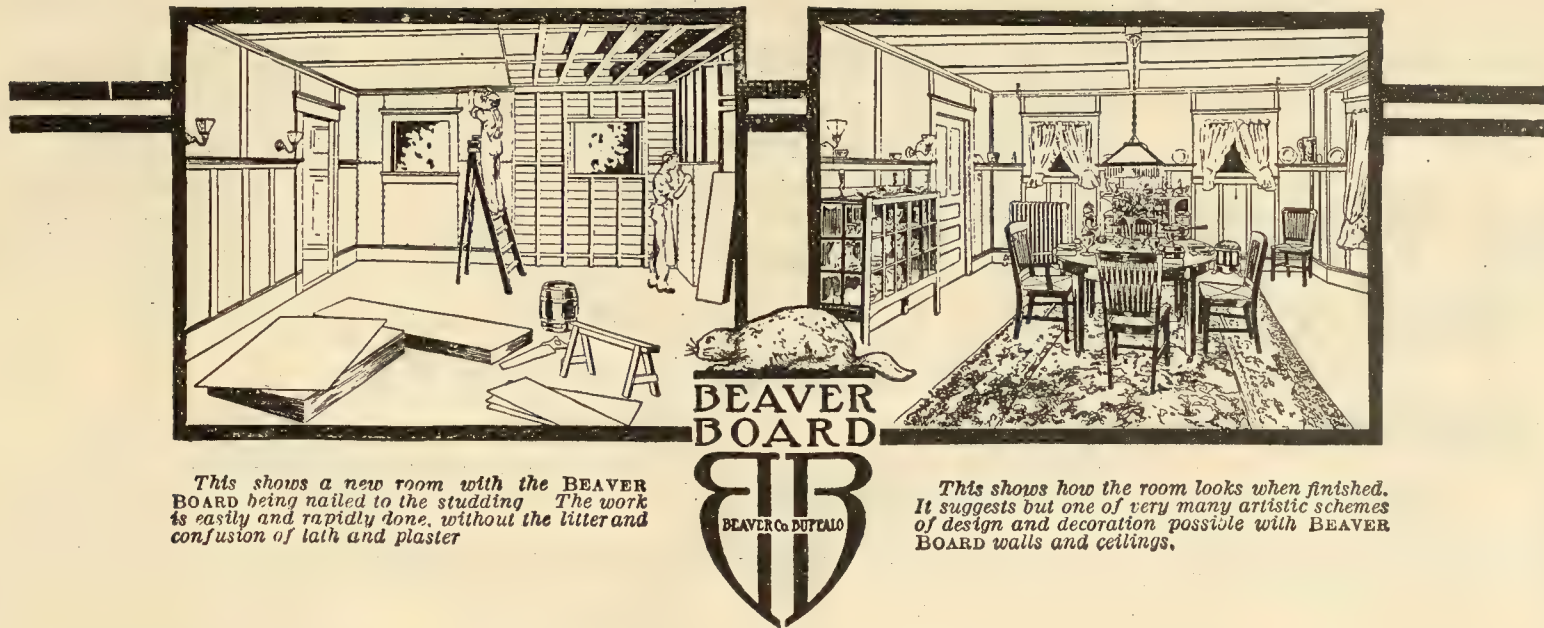
**Factory Bldgs. (7),** Fifty-seventh and Armat streets. Architect, J. G. Brown, Witherspoon Bldg. Owners, Germantown Tool Works, 518 Cumberland street, Brick, one story, 30x100 feet and 50x100 feet, slag roof, electric lighting. Plans in progress.

**Library Bldg.,** Charleston, S. C. Architects, McGoodwin & Hawley, 34 South Sixteenth street. Owners, Public Library of Charleston, S. C. Brick, one story and basement, 50x75 feet, slag roof, electric lighting, steam heating, hardwood floors. Plans completed. Architects ready for bids in a few days.

**Parish House (add.),** Broad and Jefferson streets. Architects, Watson & Huckel, 1211 Walnut street. Owners, Protestant Episcopal Church of the Incarnation, on premises. Brick, stone, three stories, slate roof, electric lighting, steam heating. Architects taking bids, due May 6th. The following are figuring: Irwin & Leighton, 126 North Twelfth street; T. C. Trafford, 1613 Sansom street; T. Little & Son, 1615 Sansom street; A. H. Williams Sons, 419 Locust street; A. R. Raff, 1635 Thompson street.

**Exchange Bldg.,** Lebanon, Pa. Architect, J. T. Windrim, Commonwealth Bldg. Owners, Bell Telephone Co., Thirteenth and Arch streets. Brick, three stories, 33x50 feet, slag roof, steam heat, electric lighting. Architect taking bids, due May 2d. The following are





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**Residence**, Northeast corner Twenty-sixth and Columbia avenue. Architects, Koelle, Speth & Co., Twenty-sixth and Oxford streets. Owner, Dr. J. Paul Franz, care of architects. Brick and brownstone, three stories, 18x70 feet. Architects taking bids due May 4. The following are figuring: Philip Haibach Construction Company, Twenty-sixth and Thompson streets; George Kessler, Drexel Building; E. C. Durell, 1713 North Twenty-fourth street; A. P. Fraim, 319 Market street.

**Plant (add.)**, Marcus Hook, Delaware County. Architects, Ballinger & Perrott, 1211 Arch street. Owners, American Viscose Company, Marcus Hook, Delaware County. Reinforced concrete construction, one story, 36x80 feet, slag roof, electric light. Architects taking bids due May 1. The following are figuring: William Provost, Jr., Chester, Pa.; W. W. Lindsay, Harrison Building.

**Plant (add.)**, Camden, N. J. Architects, Ballinger & Perrot, 1211 Arch street. Owner, Victor Talking Machine Company, Camden, N. J. Concrete, five stories, slag roof, electric lighting, steam heating. Architects taking bids due May 3, 9.30 A. M. The following are figuring: Cramp & Co., Denckla Building; Armstrong & Latta, Land Title Building; Doyle & Co., 1519 Sansom street; J. S. Rogers Company, Moorestown, N. J.; Irwin & Leighton, 126 North Twelfth street.

**Boiler House (alt. and add.)**, Jackson and Iseninger streets. Architect, J. G. Brown,

Witherspoon Building. Owner, W. F. Read & Sons Company, on premises. Brick, one story, 40x50 feet, slag roof, electric light, steam heat. Architect taking sub-bids.

**Store (alt. and add.)**, Main and Coulter streets, Germantown. Architect, C. M. Wells, Rutledge Pa. Owners, James S. Jones & Co., on premises. Brick, three stories, 55x76 feet, electric light, slag roof. Owners taking bids due May 9. Appleton & Burrell, 1204 Chancellor street; Fred Elvidge, 5522 Germantown avenue, are figuring.

**Nurses Home (add.)**, Thirty-fourth and Spruce streets. Architects, Borchie & Hastings, 328 Chestnut street. Owner, University Hospital, on premises. Brick, four stories, electric light, steam heat, slate roof. Architects taking bids due May 3. F. N. Wallace 1210 Sansom street; Frank Preston, 2243 N. Twenty-second street; Irwin & Leighton, 126 North Twelfth street; Roydhouse Arey Company, Fidelity Building; J. S. Cornell & Sons, Land Title Building; James Doak & Co., Crozer Building, are figuring.

**Hotel**, 1229-31-33-35 Chestnut street, \$1,000,000. Architect, Horace Trumbauer, Land Title Building. Owner, Company, care of E. W. Nicholson, Land Title Building. Brick, steel and concrete, 22 stories, 85x145 feet. Architect ready for bids.

**Garage**, north side of Locust street, west of Broad street. Architects, Hewitt, Granger & Paist, Bullitt Building. Owners, Bellevue-Stratford Hotel Company, Broad and Walnut streets. Brick, reinforced concrete, fireproof, four stories, 102x150 feet. Slag roof, electric lighting, steam heating. Architects taking bids, due in a few days. The following are figuring: George F. Payne & Co., 401 South Juniper street; Roydhouse-Arey Company, Fidelity Building; Fuller Construction Company, Morris Building.

**Moving Picture Theatre**, Germantown, Philadelphia. Architects, Watson & Huckel, 1211 Walnut street. Owner, J. J. McKeenan, 4612 Wayne avenue. Brick, one story, 39x120 feet. Steam heating, electric lighting, slag roof. Architects taking revised bids, due May 4th. E. J. Kreitzburg, 1345 Arch street, and H. C. Dahl, 231 South Eighth street, are figuring.

**Hotel**, Camden, N. J. Architects, B. H. Lackey & D. Folsom, 1433 Chestnut street. Owner's name withheld. Brick and terra cotta, seven stories, 61x174 feet. Roof garden, concrete, electric lighting, steam heating, hardwood floors, electric elevators. Plans in progress.

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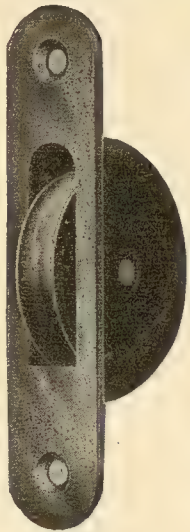
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Bungalow, Jamestown, R. I. Architect, H. J. Wetherill, 328 Chestnut street. Owner's name withheld. Stone and frame, two stories, 35x20 feet. Shingle roof, electric lighting. Architects taking bids, due May 2nd. F. Anthony, Jamestown, R. I.; H. E. Baton, Tenth and Sansom streets; A. Booth, Newport, R. I.; Mowrer Bros., Merion, Pa.; T. Wright, Jamestown, R. I.; T. F. Keeher, Newport, R. I., figuring.

Residence, Merion, Pa., \$10,000. Architects, ReArmond, Ashmead & Bickley, 618 Chestnut street. Owner, William B. Tracy, Lafayette Building. Hollow tile, two and one-half stories, 65x30 feet. Shingle roof, electric weld boiler, hot air heating, electric and gas lighting, hardwood floors. Plans in progress.

Factory (add.), 811-15 Fairmount avenue. Architect, H. G. Hammer, 803 North Seventeenth street. Owners, Sheiler Hemsler Brass Company, on premises. Brick, three stories, 90x30 feet. Slag roof, electric lighting. Architect taking revised bids, due May 1st. B. P. Evans & Co., Thirteenth and Wallace streets; John R. Wiggins & Co., Heed Building, figuring.

Stable and Garage, Kensington avenue and J street. Architect, private plans. Owners, Philadelphia Electric Company, care of Mr. Manwarning, Tenth and Sansom streets. Brick, one story, 30x54 feet. Slag roof, electric lighting. Owners taking bids, due May 4th. Thomas C. Trafford, 1613 Sansom street, figuring.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

School (alt. and add.), Glenside, Pa. Architect, H. C. Wise, 34 South Sixteenth street. Owners, Board of Education of Cheltenham Township, Pa. Stone, two stories, slate roof, electric lighting, steam heating. Contract awarded to H. L. Brown, 1714 Sansom street.

Residence (alt. and add.), 148 West Dauphin street. Architects, Stuckert & Sloan, Crozer Bldg. Owner, Joseph Waserman, care Architect. Brick, three stories, slag roof, electric lighting. Contract awarded to J. J. Friel, 3108 North Front street.

Store Bldg., 925-27 Market street. Architects, Stearns & Castor, Stephen Girard Bldg. Owners, Berg Bros., on premises. Brick and steel and concrete, six stories, repair to fire damage. Contract awarded to A. R. Raff, 1635 Thompson street.

Residence, Highland Park, Pa. Architect, private plans. Owner, T. J. Wholey, Sixty-second and Market streets. Stone, 2½ stories, 40x45 feet, slate roof, electric lighting, hot-water heat, hardwood floors, range and boiler. Contract awarded to D. F. Wholey, 1109 Indiana avenue, who is taking sub-bids on all lines.

Cottage, Bay Head, N. J. Architects, Brockie & Hasting, 328 Chestnut street. Owner, David P. Leas, Esq., 400 South Fortieth street. Terra cotta (hollow), electric light, shingle roof, hot-air heat. Contract awarded to J. Stillwell, Bay Head, N. J.

Office Bldg. (alt. and add.), 205 South Juniper street. Architects, Mellor & Meigs, Lafayette Bldg. Owners, Mellor & Meigs,

Lafayette Bldg. Brick, two stories, slate roof, electric light, hot-water heat. Contract awarded to A. H. Williams Sons, 419 Locust street.

Factory, Fifth street and Glenwood avenue. Architects, Ballinger & Perrot, 1211 Arch street. Owner, S. L. Allen, on premises. Brick, concrete, steam heat, electric light, fireproof, six stories. Contract awarded to H. C. Rea Co., 1027 Wood street.

Alt. and add. to Store Bldg., 234 North Eighth street. Architects, Sauer & Hahn, 1118 Chestnut street. Owner, Morris Goodfriend, on premises. Brick, four stories, new front. Contract awarded to Smith Hardican Co., 1606 Cherry street.

Power House and Laundry, Fifty-eighth street and Greenway avenue. Architect, Mantel Fielding, 518 Walnut street. Owners, Presbyterian Home for Widows and Single Women, on premises. Brick and stone, two stories, slate roof, electric lighting. Contract awarded to W. J. Gruhler, 219 High street.

Residence (alt. and add.), Oak Lane, Pa. Architect, Walter F. Price, 714 Walnut street. Owner, Walter Le Mar Talbot, Fidelity Bldg. Stone and plaster, three stories, Paradux roof, electric lighting, steam heating. Contract awarded to Frank Bodes, Fidelity Bldg.

Residences (2), Atlantic City, N. J. Architects, Druckenmiller, Stackhouse & Williams, Land Title Bldg. Owner, M. W. Newton, Green's Hotel, Philadelphia, Pa. Brick and stucco and half timber, 2½ stories, 58x28 feet and 69x35 feet, tile roof, electric lighting, hot-air heating, hardwood



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floors. Contract awarded to W. S. Higbee, Atlantic City, N. J.

**Church and School**, Atlantic City, N. J. \$25,000. Architect, W. P. Enderbrook, American Mechanics' Bldg., Trenton, N. J. Owners, St. Michael's Church, 6 North Mississippi avenue, Atlantic City, N. J. Brick, stone, three stories, 50x140 feet, steam heating, electric lighting, slag roof, hardwood floors. Contract awarded to Abacus Const. Co., Bartlett Bldg., Atlantic City, N. J.

**Residence**, Oak Lane, Pa. Architects, Searns & Castor, Stephen Girard Building. Owner, J. B. Stetson, Fourth and Montgomery avenue. Contract awarded to William R. Dougherty, 1608 Sansom street.

**Sunday School**, Orthodox and Franklin sts., Frankford. Architects, Stears & Castor, Stephen Girard Building. Owners, The Central Methodist Episcopal Church, on premises. Contract awarded to H. E. Baton, Tenth and Sansom streets.

**Residence**, St. Martins, Philadelphia. Architects, McGoodwin & Hawley, 34 South Sixteenth street. Owner, H. H. Huston Estate, care of Dr. George Woodward, North American Building. Stone, three stories, 30x45 feet. Shingle roof, electric lighting, hardwood

floors, steam heating. Contract awarded to John E. Walt, 204 East Willow Grove avenue.

**Tank Tower**, Twenty-fourth and Wood streets. Architects, Sauer & Hahn, 1118 Chestnut street. Owners, Ford & Kendig, Twenty-fourth and Wood streets. Brick, steel and concrete. Contract awarded to Thomas Little & Sons, 1615 Sansom street.

**Residence**, Cynwyd, Pa. Architect, Frank Seeburger, Pennsylvania Building. Owner, H. W. Whittington, care of architect. Stone, two stories, 38x47 feet. Shingle roof, electric lighting, hot water heating. Contract awarded to Metzger & Wells, Heed Building.

**Bakery and Stable**, Troy, N. Y. Architects, Charles Balderson, 411 Walnut street. Owner, Charles Freihofer, Troy, N. Y. Brick, two stories, 200x200 feet. Slag roof, electric lighting, steam heating. Contract awarded to P. Haibach Contracting Company, Twenty-sixth and Thompson streets.

**Armory (alt. and add.)**, Broad and Diamond streets, \$54,444. Architect, Philip Johnson, Land Title Building. Owners, Second Regiment Armory, on premises. Brick, two stories, slag roof, electric lighting, steam heating. Contract awarded to W. E. Dotts & Co., 142 North Second street.

## Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Charles F. Hallowell (O), 530 North Fifty-sixth street. Cost, \$72,000. (24) dwellings, two stories, 15x38 feet, Sixty-first and Webster streets.

Model Bldg. Co. (O), Fifty-seventh and Catharine streets. Cost, \$7,000. (2) dwellings, 16x45 feet. Cost, \$16,800. (6) dwellings, 16x45 feet, Fifty-seventh street and Walton avenue. Cost, \$16,800. (6) dwellings, 16x45 feet, Fifty-seventh street and Walton avenue. Cost, \$10,000. (2) stores and dwellings, Fifty-seventh street and Walton avenue. Cost, \$9,000. (3) dwellings, Fifty-seventh street and Walton avenue. Cost, \$16,800. (6) dwellings, Fifty-seventh street and Walton avenue. Cost, \$15,000. (3) dwellings, Fifty-seventh street and Walton avenue. Cost, \$8,400. (3) dwellings, Fifty-seventh street and Walton avenue. Cost, \$8,400. (3) dwellings, Fifty-seventh street and Walton avenue.

Temple University (O), Broad and Ontario streets. P. J. Hurley (C), 1233 Cherry street. Cost, \$9,000. Laboratory, brick, one story, 35x80 feet, Broad and Ontario streets.

M. Lauria (O), 6314 Vine street. Cost, \$2,000. (1) dwelling, brick, two stories, 16x41 feet, Sixty-fourth street and Girard avenue. Cost, \$5,800. (2) dwellings, brick, two stories, 16x41 feet, Sixty-fourth street and Girard avenue. Cost, \$5,100. (3) dwellings, brick, two stories, 16x41 feet, Sixty-fourth street and Girard avenue.

Mark Hallen (O), 1803 South Eleventh street. Cost, \$3,000. (1) dwelling, 16x26 feet, brick, three stories, 907 Morris street. Cost, \$9,500. (4) stores and dwellings, brick, three stories, 907 Morris street. Cost,

\$1,800. (1) dwelling, brick, three stories, 907 Morris street. Cost, \$9,000. (3) dwellings, brick, three stories, 907 Morris street.

Automobile Club (O), Philadelphia, Pa. Irwin & Leighton (C), 126 North Twelfth street. Cost, \$150,000. Club, brick, two stories, 220x136 feet, Twenty-third and Ludlow streets.

S. Grass (O), 819 Columbia avenue. Seidman & Geitz (C), 1312 North Sixth street. Cost, \$17,000. Tenant house, brick, three stories, 20x104 feet, Fifteenth and Poplar streets.

J. W. Shisler (O), 2300 South Eleventh street. Cost, \$3,000. (2) dwellings, two stories, brick, 16x36 feet, Front and Fitzgerald streets. Cost, \$1,800. (1) store and dwelling, brick, 16x36 feet, Front and Fitzgerald streets. Cost, \$27,500. (25) dwellings, brick, 16x36 feet, Front and Fitzgerald street. Cost, \$27,500. (25) dwellings, brick, 16x36 feet, Front and Fitzgerald streets. Cost, \$1,800. (1) store, brick, 16x36 feet, Front and Fitzgerald streets.

B. C. Simon (O), Nineteenth and Jackson streets. H. W. Williams (C), 2334 South Thirtieth street. Cost, \$3600. Two stores and dwellings, 76x30 feet, two stories. Brick. Crosby and Passyunk avenue. Cost, \$3600. Two stores and dwellings, two stories, Crosby and Passyunk avenue.

The Evangelical Lutheran Church (O), Eighteenth and Wolf streets. H. V. Williams (C), 2334 South Twentieth street. Cost, \$5000. 20x62 feet. Dwelling brick, Eighteenth and Ritner streets.

A. B. & C. F. Millet (O), Twelfth and

Ruscomb streets. Cost, \$9400. Two three-story brick dwellings, 16x51 feet, 5024-26 North Twelfth street.

T. Martin (O), Third and Callowhill streets. B. P. Evans (C), Thirteenth and Wallace streets. Cost, \$4400. One two stories. Brick house, 235 Callowhill street, two stories, 16x60 feet.

Dr. George Woodward (O), North American Building. F. Elvidge (C), 5522 Germantown avenue. Cost, \$16,000. Three stories, stone dwelling, 44x22 feet. One Mermaid Lane and St. Martins Lane.

S. E. Diehl (O), 250 North Third street. Joseph Bird & Co. (C), 213 North Eleventh street. Cost, \$25,000. Manufacturing, six stories. Concrete, 32x72 feet, 250 North Third street.

Charles H. Clayhorn (O), 227 Gowan avenue. George W. Whitman (C), 403 East Pennock street. Cost, \$3500. One three-story brick residence, 16x53 feet, 4833 North Broad street.

F. Jarman (O), 5503 Fairhill street. E. A. Hiffner (C), 60 West Washington Lane. Cost, \$1400. One two-story brick dwelling, 20x40 feet, 4822 Old York Road.

Michael Houghty (O), 1520 Church street. J. E. Mattis (C), 4412 Wingohocking street. Cost, \$6600. Two, two stories. Brick dwell-

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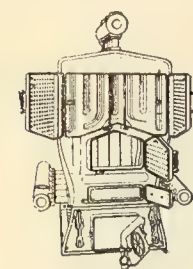
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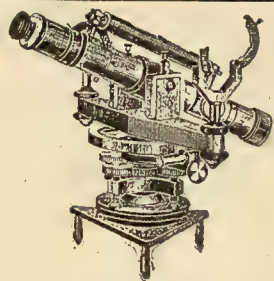
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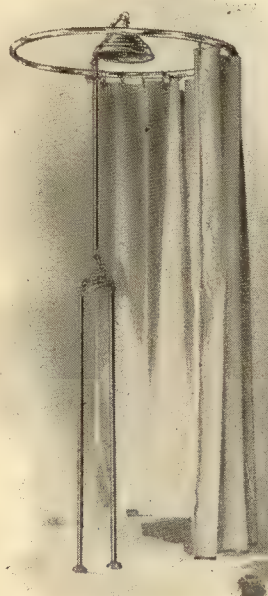
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ing, 15x58 feet, Church and Frankford avenue.

I. Shern (O), 405 South Fifth street. B. Bornstein (C), 1510 North Franklin street. Cost, \$1400. Store and dwelling, 2631 West Lehigh avenue.

Mrs. M. E. Hess (O), 108 Queen Lane. J. F. Davies (C), Twelfth and Chestnut streets. Cost, \$2000. Dwelling, 108 Queen Lane.

Edwin L. Deeds (O), 1101 Divinity street. Cost, \$104,400. Fifty-two brick, two-story dwellings, 15x50 feet, Sixtieth and Haddington avenue.

Gaubel Bros. (O), Cedar and Huntington avenue. F. W. Van Loon (C), Denckla Building. Cost, \$3500. Dye house, one-

story, 28x86 feet, Cedar and Hazzard streets.

Andrew Mowbray (O), 4934 Cedar avenue. Cost, \$5000. One three-story brick dwelling, 35x50 feet, Fifty-fourth and Wynnefield avenue.

J. Lansey (O), Passmore and H streets, Lawndale, Pa. J. Brough (C), 6637 North Sixth street. Cost, \$10,200. Six two-story brick dwellings, 16x42 feet, Gilham street south of H street.

George C. Wilcox (O), 3466 Edgemont street. Cost, \$2000. One two-story brick dwelling, 18x45 feet, 3464 Edgemont street.

Archbishop Prendergast (O), 225 North Eighteenth street. Cost, \$3500. One story school, 24x70 feet, Fifty-sixth and Callowhill streets.

## Alterations and Additions

Lower Merion Realty Co. (C), Land Title Building. F. Sobin Co. (C), 237 Bread street. Cost, \$1500. Dwelling, 1901 Spruce street.

Lit Bros. (O), Eighth and Market streets, Lam Building Co. (C), 1001 Wood street. Cost, \$2000. Warehouse, Twenty-first and Washington avenue.

L. A. Thompson (O), 321 Broadway, New York. C. A. Sturk (C), Woodside Park. Cost, \$500. Scenic Railway, Woodside Park.

N. Waldron (O), H. F. Voss (C), 3208 Frankford avenue.

N. Matheva (O), 1310 Reed street. Lucir & Poddless (C), 1645 Ellsworth street. Cost, \$850. Bakery, 1310 Reed street.

J. Eikenberg (O), 40 W. Tulpehocken street. S. Harting (C), 30 W. Johnson street. Cost, \$900. Residence.

Jefferson Hospital (O), Tenth and Walnut streets. B. Ketcham's Sons (C), 1029 Brown street. Cost, \$9000. Hospital.

M. Thompson (O), 4457 Uber street. Cost, \$400. Dwelling, 1525 Spring Garden street.

David McKay (O), Washington Square. S. Berger (C), 416 Queen street. Cost, \$900. Store and dwelling, Sixth and Washington Square.

American Ice Co. (O), Sixth and Arch streets. Linker-Loose Co. (C), 348 South Fourth street. Cost, \$900. Oil tank, Fifty-third and Whitby streets.

Levick and Waldow (O), 1829 South Seventh street. S. Lashner (C), 1700 South Fifth street. Cost, \$1000. Dwelling and store.

Charles Wolbart (O), West End Trust Building, S. G. Rea (C), 1608 Fairmount avenue. Cost, \$800. Dwelling, 2237 Spring Garden street.

G. A. Lacey (O), Rothschild Building. W. J. Robinson (C), 1508 Lombard street. Cost, \$550. Store, northeast corner Seventeenth and Lombard streets.

M. L. Carshoo (O), 114 Ashley street. R. C. Moore (C), 2028 Diamond street. Cost, \$575. Dwelling, 114 Apsley street.

W. S. Talmot (O), 6730 North Thirteenth street. F. H. Vogdes (C), 4137 Lidia avenue. Cost, \$1000. Dwelling, 6730 North Thirteenth street.

Mr. J. Goodfriend (O), 234 North Ninth street. Smith Hardican Co. (C), 1606 Cherry street. Cost, \$3500. Store, 234 North Eighth street.

Presbyterian Home (O), Fifty-eighth and Greenway avenue. W. J. Gruhler (C), 219

High street. Cost, \$8000. Laundry, Fifty-eighth and Greenway avenue.

T. C. Atlee (O), 261 High street. W. J. Gruhler (C), 219 High street. Cost, \$800. Dwelling, 261 High street.

D. W. Van Tine (O), 1936 North Eleventh street. William Easterbrook (C), 519 Commerce street. Cost, \$3000. Apartments, Eleventh and Spruce streets.

Fern Rock Lyceum (O), Fern Rock, Pa. F. & L. Davis (C), Thirteenth and Nedro streets. Cost, \$2000. Gymnasium, Park avenue and Nedro streets.

J. S. Anderson (O), 5230 Woodland avenue. J. Sullivan (C), 4916 Woodland avenue. Cost, \$1800. Three greenhouses, Fifty-second and Paschal avenue.

Philadelphia & Reading Railway Co. (O), Twelfth and Market streets. Cost, \$600. Tank, Willow and Front streets.

P. & R. R. Co. (O), Twelfth and Market streets. F. W. Van Loon (C), Eleventh and Market streets. Cost, \$3,900. Office, Frankford avenue and Unity street.

E. I. Cuthbertson (O), 334 Roxborough avenue. Cost, \$8,000. (4) Two-story brick house, 16x45 feet. Pechin street and Green lane.

Max Finkelstein (O), 246 Delancey street. A. Love (C), 2302 South Ninth street. Cost, \$500. Residence.

Charles Bair (O), Nineteenth and Arch streets. B. W. Stevens (C), 1714 North Fifty-second street. Cost, \$1,500. Store and dwelling.

H. Duffer (O), 133 Pelham road. Roydhouse Arey Co. (C), Fidelity Bldg. Cost, \$900. Garage.

Felin Co. (O), 4142 Germantown avenue. H. Brocklehurst (C), 5124 Morris street. Cost, \$500. Boiler house.

B. S. Shapiro (O), 736 Land Title Bldg. D. Withenberg (C), Eighth and Poplar streets. Cost, \$1,950. Store and dwelling, Cambridge and Marshall streets.

Kriss Kross Amusement Co. (O), 1341 Arch street. Philadelphia Fireproofing Co. (C), 1341 Arch street. Cost, \$500. Woodside Park, Philadelphia.

E. Whitehill (O), 208 West Rittenhouse street. T. C. Wartman (C), 41 East Seymour street. Cost, \$1,500. Dwelling, 36 East Brighthurst street.

A. Colburn Co. (O), 110 North Twenty-second street. F. A. Havens & Co. (C), 845 North Nineteenth street. Cost, \$500. Manufacturing, 110 North Second street.

Dragbon & Boorse (O), 138 South Fifteenth street. Mitchell Bros. (C), 2125 Race street. Cost, \$900. Store, 116 South Fifteenth street.



## THE SUBJECT OF PROFESSIONAL ETHICS

Difficulties in the way of Formulating a Code of Practice—The Artist-Architect and the Plain Practitioner—An English Side Light on a Question of General Professional Interest.

By initiating a discussion of the subject of Professional Ethics the Society of Architects has done good service to the architectural profession, but the discussion if adequate will we fancy reveal a great difficulty in the general acceptance of any code that may be put forward, and so much difference of opinion amongst practitioners of Architecture as to render highly improbable the approval of any penal consequences to those who transgress a suggested code. The question of a penal code of professional ethics is closely connected with that of registration, for registration implies the existence of a registering authority, with power to admit or refuse the names of certain persons to the list under its control and to remove names already inscribed for good and sufficient reasons. Hence many architects are in favor of the principle of registration because it connotes some control of professional ethics, and others are opposed to the principle for the same reason.

We cannot help believing that a great deal of the animus that distinguished the question whether Architecture should be regarded as a profession or an art was due to a conviction that if it is a profession there should be some code, written or unwritten, of professional etiquette, but if it is regarded as an art, then the business methods of other artists are permissible in the business of architects. It cannot be denied that these methods as practiced by painters, sculptors and other artists are practically indistinguishable from those of tradesmen who offer their goods to the public in a shop window, and made the utmost use of advertisement in every possible form to induce the public to buy those goods.

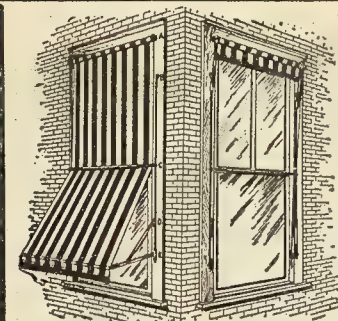
So those architects who insist strongly upon their recognition as artists and not as professional men are prone to object to any limitation of their freedom, in common with painters and sculptors, to further their business by the fullest possible use of advertisement, touting and travelers, or by supplanting another artist whenever they get the chance. It is much to be desired that there should be unanimity of opinion and practice amongst architects, either as professional men, with a code of ethics, or as artists with the freedom of the tradesmen

in methods of business. If the discussion initiated by the Society of Architects leads to such unanimity a great advance will have been made, but we are not sanguine as to the unanimity.

The position of the Royal Institute of British Architects in regard to professional ethics is ludicrous, because that body is governed partly by artist-architects and partly by professional-architects. The few resolutions of the Council on professional etiquette that appear in the Kalendar are rather pious expressions of opinion than regulations for the conduct of its members entailing punishment for infraction. They do not touch many important points, and in particular do not afford any guidance on the delicate and difficult question of professional advertisements, except by the one ridiculous suggestion that an architect's name may be put on a building when it is finished but must not appear whilst it is in course of erection, a restriction that is undoubtedly bad for architecture and the public interest in the art. Instead of telling the members what are and what are not reprehensible methods of advertisement, the Council makes its law as it goes along, and admonishes offenders against an undefined code after transgression, if it happens that one or two of its members are sufficiently indignant to urge a reprimand or remonstrance.

The peculiar position of the business of Architecture renders inconclusive any comparison with those callings that are purely professional, as Law, Medicine and Engineering, but Mr. McArthur Butler makes a good point in his address to the Society of Architects by calling attention to the fact that the architects of France, America, Australia, South Africa and Canada do, by their recognized societies, inculcate codes of professional ethics.

We may now pass on to consider the specific articles of the code of practices that are unprofessional for an architect in the opinion of Mr. Butler. First, engaging in any of the building trades, except as owner. This is likely to be generally approved by English architects, though in Germany and some other continental countries architects do act as builders, and we have sometimes thought that the practice of furnishing firms



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acting as contractors and doing the architect's work for nothing (?) might in the near future require the reprisal of architects taking building contracts. Second, guaranteeing an estimate. This, to some extent, the common law makes one of the newer responsibilities of architects. If an architect receives a commission to design a building not exceeding a stipulated sum, he is held responsible and at least cannot claim his fee if the estimate is exceeded. Mr. Butler's third article, the acceptance of illicit commissions, is now a criminal offense and more than "unprofessional." It should not therefore be a matter on which a Board of Professional Control should adjudicate.

In his fourth article, Mr. Butler says that it is "unprofessional for an architect to advertise," but in his subsequent explanation we see that he qualifies his apparently severe dictum by limiting its application to "direct" advertising. Any code which is to be of value and efficiency must grapple thoroughly with this thorny question and specifically define what is the manner of direct advertising which is to be considered unprofessional. It will never do to leave open the possibility of architects inadvertently overstepping a hazy and indeterminate border line between indirect and direct advertising. Mr. Butler grants permission for indirect advertising when he says that an architect can hardly avoid it.

TRADE  
MARK

# NICE

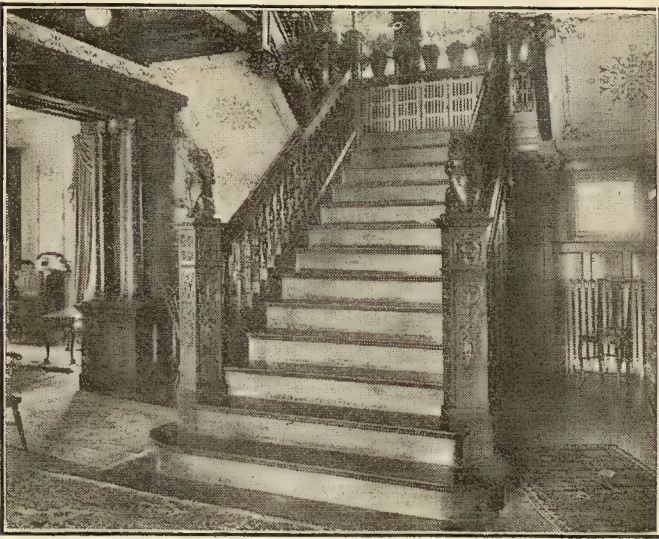
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ly practicing architects cannot appreciate the merits of competition designs.—"The Architect," London.

#### FACTS ABOUT FLOORS.

Most homebuilders are so at sea when asked about their preference in floors that a few floor facts might not be amiss. Generally speaking, floors are either to be completely covered by carpet or partly exposed by rugs. The former case is easily disposed of. For the uncarpeted floor the choice is not so simple. Whatever wood is selected it should be quarter-sawn, as bastard boards will warp and splinter. It is generally agreed among architects that for kitchens, pantries, playrooms, and other places that receive hard wear, Georgian pine is to be recommended, with the proviso that all boards showing large streaks of sap or turpentine should be rejected, as the streaked parts will soon dry out and crumble into much unevenness. Better still for such rooms is a hard maple, but its greater cost bars it from ordinary work.

For parlor and halls the client is apt to have a preference for parquetry. There are, however, several newer and more desirable treatments. In large work, for instance, heavy teak flooring is used with excellent results. This is one and three-quarter inch stock made up of widths varying from six to ten inches. It is laid with an open joint and screwed down and pegged afterwards to conceal the screw. The open joint is filled with pitch, as in a ship's deck, which allows the boards to swell and shrink with the weather and yet not cause the slightest unevenness. This process makes an admirable floor similar in appearance to old sixteenth-century English flooring. It is usually laid over cinder concrete in a fire-proof house.

In less costly houses, however, oak or maple would probably be chosen for the more important uncarpeted rooms. In an ordinary single floor (in contrast to a double flooring) laid on joists, it is important to remember that the boards must be matched to prevent draughts coming through, and, further, that matching permits of blind nailing. The width should not exceed four inches, while for a really first-class oak or maple floor nothing wider than two and a half should be specified. Of course, there are all grades of flooring boards, and it takes some knowingness to insist upon the right thing.—"House Beautiful."

When the game is advertising, specializing pays. You couldn't advertise hats in a brick magazine any more than you would advertise corsets in a tobacco trade journal. Selecting your medium depends on the class you aim to reach. If the class is architects or builders, your medium is "The Guide."

Play-it-on-a-hunch advertising is not the kind that wins out. The steady, persistently repeated note of appeal is what tells.—Cement World.

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The fifth, sixth, seventh and eighth articles of Mr. Butler's code, referring to competitions, have already been recognized by the Royal Institute as binding on its members. In his ninth article we think that Mr. Butler again proposes to give judiciary powers to a Board of Professional Control when the High Court already possesses the power of dealing with the matter in ques-

tion under the law of libel and slander. We fail to see in what circumstances the tenth article of the code—the intention of which is perfectly right—becomes operative, as its action is barred if the dismissed architect has taken legal steps to enforce his claim or if he neglects to do so. We do not see a third alternative course.

Attempting to supplant a fellow-architect must undoubtedly be admitted as unprofessional conduct in any code, although amongst artist-architects of prominent position it has been successfully practiced, a quite sufficient reason for their opposition to registration. The twelfth and fourteenth articles of Mr. Butler's code open up a rather wide question, as to which he himself puts forward the view, with which we agree, that the payment of architects by commission on the cost of the building is wrong in principle. We must differ with Mr. Butler in regard to his thirteenth article. It would prevent the professional press from criticising the drawings submitted in an open competition, except with the assistance of a writer who was not an architect. Competent critics of modern architectural designs who are not architects are hard to find, and unless they are actual-





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## Architectural Notes.

The first step in the direction of providing a second monument to Washington in the national capital was taken recently by the Senate Committee on Public Buildings and Grounds, which has decided to report favorably Senator Root's resolution authorizing the use of the Mall as the site for a memorial hall to cost approximately \$2,000,000. The hall is to be a monumental structure, to be used as a meeting place for patriotic and scientific societies and will be known as the George Washington Memorial Hall.

\* \* \*

The appointment of Mr. Frank Miles Day, the widely-known architect of this city, a member of the Philadelphia Chapter and a past president of the American Institute of Architects, as one of the lecturers for Harvard University, has just been announced. He left on Wednesday last to give the first of a series of three public lectures before the School of Architecture in Boston on "Hospital Planning and Construction." The other two lectures will be given on Thursday, May 2d, and Thursday, May 9th, and all will deal with the best practice followed in the principal hospitals in America and Europe, and with the various specialized features of this important subject.

\* \* \*

At the Parker House, Boston, on the evening of April 2, Mr. C. Grant LaFarge, of New York; Mr. Arthur Shurtleff and Mr. William D. Austen, were entertained at dinner by the members of the Boston Society of Architects.

\* \* \*

The architectural exhibition of the Louisville Chapter, A. I. A., was opened on April 8, at 654 South Fourth street, and was continued until April 21. In addition to a creditable lot of exhibits by local men, there

was shown at this exhibition some of the plans of civic improvement evolved and in course of execution.

\* \* \*

Mr. Frederic Allen Whiting has been appointed art director of the Herron Art Institute of Indianapolis, Ind. As secretary of the Society of Arts and Crafts in Boston Mr. Whiting has been active and successful in promotion of the applied arts.

\* \* \*

Apropos of the Eighteenth Annual Exhibition of Philadelphia Chapter and the T Square Club, now open in the galleries of the Academy of the Fine Arts, we are tempted to quote from the Herald, of Louisville, Kentucky, an editorial inspired by a similar exhibition in that city. This editorial, while it deals primarily with the Louisville exhibit, has in it so much that is applicable to the broad field of American architecture in its entirety that we feel sure we shall be pardoned for introducing it so far away from the zone of its immediate inspiration.

\* \* \*

A French decorator, of whom Stevenson tells in his essays on travel, is speaking of the museums in Paris. "One sees there little miracles of work," he says, "that is what makes a good workman; it kindles a spark." Nothing could be truer than this. It is just this that gives to exhibitions and museums a measurable and practical worth in a community. They become an active and working force for improvement and a fount for inspiration that is reflected in achievement.

In this light such exhibits as that of the Louisville Chapter of the American Institute of Architects, opened on Friday, becomes an event of some practical impor-

tance. A great deal is not to be hoped from an artist or an artisan who is not alive to the necessity of replenishing his inspiration and keeping an eye on the furthest achievement that his particular profession has projected. Nothing is so surely calculated to fill us with a new respect for our vocation and a new dream of its and our own possibilities, as the sight of "little miracles of work" in our own line.

\* \* \*

The architects' exhibit holds much that may very properly be of interest to others than architects. It is arranged primarily for them to be sure, and its ministry will be primarily to them. But we are sorry for the man who is not sensible to the romantic and historic significance of builders and their products. Poetry and painting aside, there is no pursuit that stirs the imagination so much as does that of the planner and the builder. There is poetry and there are canvases that testify in charming witness of the truth of this. Builders and their labors have been the subject-matter for more than one artist and a legion of poets. The architect and the builder may come very close to claiming a fellowship in art with the painter and the poet.

Students of contemporary history will be desultory in their task if they neglect to trace the development of architectural design. A fairly complete story of the ancient Empires can be extracted from a study of their architecture through the varying stages of their rise and fall. This will be true of America; and here, as there, it is possible to deduce something of the thought, art, manners and customs of a people from the expression these things find in the workings of their hands.

\* \* \*

The searcher after national types, whether in the Old World or the New, will go far to find a more rewarding field of endeavor than architectural design. And it is worth noting that in no expression of

(Continued on page 298)



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PHILADELPHIA, PA., MAY 1, 1912.

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# Editorial Comment

It is possible to build, using cement or concrete as the basic material, a thoroughly attractive, artistic and comfortable house. Beauty being largely a matter of proportion and pleasing outlines the medium is—in so far as the general result is concerned—of but secondary consequence. This being the case one is tempted to wonder, at times, from what fountain head of the ugly, hopeless, banal and inartistic the cement magazines derive the ready-made designs which are published ostensibly to demonstrate the possibilities of these mediums.

Knowing what has been done with cement and concrete in the hands of architects, who specialize to some extent in these materials, we are not infrequently amazed at the crude, preposterous and impossible things paraded as examples of effective designing in these lines. If instead of publishing issue after issue, as certain of the cement magazines are in the habit of doing, reproductions of half-baked attempts to build houses of cement block and of concrete after no particular model and showing a most sublime disregard for even elementary ideas of artistry, these magazines would induce architects to furnish designs illustrative of happy applications of these materials we imagine that much more genuine progress could be made in the work of educating people of taste to their use. It is common for us to find in our cement exchanges pictures of houses designed to show the artistic possibilities of cement as a structural material which are so unattractive as to exercise an effect quite the opposite from that intended.

Selecting illustrations for concrete publications is, in its way, a whole lot like mixing the aggregate from which concrete derives its virtue as a medium—it needs to be done with common sense. Much of it with which we are brought into contact in magazines supposed to represent the cement industries seems to us to be deficient both in common sense and common taste—seems, in fact, crude, raw, repulsive and often downright ugly.

\* \* \*

Into a review of the Annual Architectural Exhibition at the Philadelphia Academy of Fine Arts in a recent issue, the American architect intrudes a rather interesting comment upon the absence of cohesive charm which will mark the vicinity of Broad and Walnut as a result of extensive building at this point along lines independent and unrelated. An opportunity here existed for a centre of exceptional beauty, had the various interests involved been able to perceive in time the wisdom of preserving in the altitude of the units assembled at this point their proper sense of artistic perspective to the group as a whole. This opportunity unwisely has been permitted to pass.

"In this exhibition," observes the "American Architect," "there are shown designs of buildings that are to be placed in the area adjacent to Broad and Walnut streets in Philadelphia, a section of the city that is undergoing much improvement. It is therefore possible to form an idea as to how this locality will look when completed and what the general effect will be. It has frequently been charged that we in this country are wasteful of our architectural opportunities. Here in New York there are many examples. The one cited above is another. An opportunity was afforded in Philadelphia for owners and architects to combine in the designing of buildings for this neighborhood, that would have made a consistent and beautiful ensemble and on that would have set a valuable example. As has frequently happened, in similar cases, the opportunity has been neglected and acting on that principle, so constantly emphasized in this country, that a man has the right to do as he likes with his own, the neighborhood, a most important one, is being built up without regard to its architectural coherency. While the several buildings, as will be noted, are in themselves good examples of the types for which they stand, they do not supplement each other in as satisfactory a way as would have been the case had there been some community of consultation in their designing."

It is unfortunate for the cause of good art here in America, that the measure of authority vested in commissions able to perceive opportunities of the kind noted does not proceed to the length of enabling even a partial control. Thus it happens that at Broad and Walnut within a comparatively short space of time we shall have a series of most attractive buildings between which there will be little or no artistic kinship. Under a better ordered system of affairs one may easily imagine the sense of nicely-balanced charm with which such a group might be made to strike the intelligent beholder.

\* \* \*

An editorial in the "London Builder" contains some more or less interesting views on the subject of what has come to be known as "nationality" in architecture.

"Although we must recognize that a building, growing as it does from the very soil of a country, is necessarily more affected by local influences than any other form of art," remarks "The Builder," "and though we all admit that we cannot ignore these influences even if we would, yet we have to ask ourselves whether all these various local distinctions of material or of method are really the essential qualities of architecture. Are the local peculiarities that differentiate a French from an English cathedral of the same date essential qualities or more in the nature of incidental or even accidental ones? Is there



not some quality in architecture which, including all this, is yet above and beyond it, and is not this aspect of our art the one which is really of the most vital importance to us all?

"Do not all the greatest masterpieces of art of whatever description rise far above the expression of local or even national characteristics? Do the symphonies and sonatas of Beethoven or the operas of Wagner appeal only to the national sentiment of Germany? Is a statue by Michelangelo typically Italian, or a portrait by Velazquez typically Spanish? If so, is this its essential quality—its 'raison d'être'? It is not rather its limitation—the measure of its distance from perfection?

"Is it not enough for art to be simply human? To appeal direct to the heart of humanity, to the elemental instinct and feelings common to all nations and races alike? And does it not there find its only free expression and attain thereby its most overwhelming effects?

"So in architecture it would be possible to

imagine a Classic or a Gothic which, had it been free from arbitrary national limitations and divisions, might, by the combined effort of the whole of Western humanity, have attained to even greater height, and expressed even more clearly and forcibly those eternal truths which are independent of political or geographical divisions.

"Although to the student or connoisseur of architecture nothing is more interesting and instructive than to trace the effect on the architecture of the past of the ever-varying groups or nations into which humanity has from time to time been divided, he is yet bound to realize that all such divisions are temporary only, and that the essential truths of architecture do not depend upon them."

Which, by the way, reads very much like an attempt to answer Mr. Irving K. Pond's much-discussed "Art and Individuality." "The Guide" is disposed to lean to the Pond view, for all, the Beethoven symphonies being as essentially German as the Verdi operas are essentially Italian.

## NEW INVENTIONS.

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- 1,022,585. Treatment of Artificial Marble. Hugo Gallinowsky, St. Bernard, Ohio.
- 1,022,661. Door. Jno. C. Duner, Wheaton, Illinois.
- 1,022,669. Fly-Trap for Window and Door. Clark A. Fulcher, Monroe, Michigan. Assignor to Oliver A. Braman, Monroe, Michigan.
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- 1,022,791. Plumb-Bob Carrier. William A. Laird, Jr., Chambersburg, Pa.
- 1,022,841. Building Construction. Secondc Giletti, East Oakland, California.
- 1,022,870. Window Ventilator. Michael Power, Toronto, Ontario, Canada. Assignor to Robert Heber Bowes and Robert Geo. Dickson, Toronto, Ontario, Canada.
- 1,022,901. Window Construction. Carl J. Wallen, Cleveland, O.
- 1,022,939. Combined Window Awning and Fire-Protector. Webb W. Guy and Oliver L. Richards, Cushing, Texas.
- 1,023,059. Building-Material Construction. Abraham M. Zimmers, Baltimore, Md.
- 1,023,119. Column. Christopher C. Bar- rick, Canton, O.
- 1,023,144. Bevel Protractor. Louis J. Fel- lay, Peoria, Ill.
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- 1,023,625. Window Screen. George W. Corey, San Francisco, Cal.
- 1,023,626. Elevator. Wm. A. Crichton, Paris, Ontario, Canada.
- 1,023,647. Window Lock. Edw. Hill, Salt Lake City, Utah.

- 1,023,711. Safety Elevator Device. John Balazs, Michel, B. C., Canada.
- 1,023,723. Operating Mechanism for Slid- ing Doors. Myron Cossey, Brooklyn, N. Y.
- 1,023,726. Convertible Window - Sash. Henry F. Eilert, Cleveland, Ohio.
- 1,023,738. Adjustable Arm Protector. Harrison B. Hill, East Providence, R. I.
- 1,023,748. Building Block. Edw. J. Mc- Gettigan, Cleveland, Ohio.
- 1,023,780. Adjustable Window Screen. Thos. B. Ford, Fairfield, Iowa.

### THE ASTOR ESTATE

#### Death of Col. Astor—Number and Value of the Astor Properties.

Col. John Jacob Astor was the second largest individual holder of New York city real estate.

In building up his fortunes Col. Astor set a good example to real estate interests generally. His most conspicuous improve- ments have been along the line of hotel con- struction. The Knickerbocker, Hotel Astor and St. Regis are included in his estate, as well as the Astoria and the old Astor House.

The total assessed valuation in 1911 of the property on Manhattan Island owned by Col. Astor; his cousin, William Waldorf Astor, of London, and the estate of Wil- liam Astor, the father of John Jacob, in which various members of the family hold interests, was \$107,959,300. The Astor es- tate, therefore, is New York's largest tax- payer by a wide margin.

Of this enormous amount of realty scat- tered all over the city, William Waldorf Astor is the largest holder, his possessions being assessed at \$50,290,000. John Jacob Astor paid taxes, according to the 1911 tax records, on \$41,202,800, while the holdings of the William Astor estate were assessed at \$16,466,500.

The list shows nearly 700 parcels of real estate, much of it in the choicest parts of the city. It is difficult to say at first glance which is the more surprising—the magni- tude and value of the holdings or the wide distribution of the properties. Every sec- tion of the city is represented, and in nearly every section a large part of the best prop- erties bear the imprint, as it were, of the Astor name.

### RECENT TRADE LITERATURE.

Improvements are constantly being made in metal window sashes and the New York Steel Products Company, successors to Ar- thur E. Rendele, of the New York Bridge and Iron Company, are introducing what they call the "Austral" sash balance. The window has the advantage of giving fresh air through the room without producing drafts and without blowing papers off desks. This company also makes many other rolled steel building construction appurtenances, descriptions of which may be obtained by addressing the company in the Drexel Building, Philadelphia, Pa.

Don't fail to read "New Ideas, Materials and Devices."



## Spring House Cleaning

House cleaning time is a bore and a nuisance—it wouldn't be if houses were wired and equipped for the use of Electric Vacuum Cleaners and Electrical household appliances. Builders in wiring their houses should see to it that baseboard sockets are provided in every apartment. The cost is next to nothing at the time and is a constant source of comfort during the life of the property.



## SAFES

Fire and Burglar Proof Vaults  
Metal Office Furniture  
Steel Fire Proof Doors

**STIFFEL & FREEMAN CO.**  
MANUFACTURERS

723 Chestnut St., Philadelphia

### "THE DYNAMO OF TRADE."

In an address on the "Blue Sky in Advertising," delivered before the twelfth annual meeting of the American Association of Advertisers recently held in Buffalo, Truman A. DeWeese estimated that about \$800,000,000 are spent in one year by advertisers of this country.

"Advertising," said the speaker, "is concerned with human wants and human desires. It promotes a healthy interchange of the products of man's genius and industry.

"It multiplies the opportunities for human endeavor. It builds factories by creating a demand for their output. It builds railways and steamship lines by implanting in the human mind a desire to travel and see the world.

"It builds big mercantile establishments by disseminating a knowledge of the things that contribute to woman's adornment and man's comfort.

"Advertising is the dynamo of trade."

Advertise! The minute you stop advertising you lose ground. You may not feel this loss right away. But you must feel it in the end. Advertising is the dynamo of modern business.

## ARCHITECTURAL NOTES

(Continued from page 295)

American life, perhaps, are we nearer to the development of something purely American, distinctly and individually our own, than in the structures we are erecting. Not in poetry, nor in literature nor in painting, we believe, will we evolve a distinct national type so early as we shall evolve one in architecture. This is true, not so much of the buildings we fuss over, public libraries, museums and halls of one kind and another; in these we work consciously for effects, and our architectural conception comes all forsworn with ideas grafted upon us by the ancient world. But where we work unconscious of devotion to any type or the attempt to develop any type, where our efforts are all practicality to meet our own practical needs, we are apt to develop a type of our own grown out of needs and desires of our own.

\* \* \*

Thus in our modern residences and in our skyscrapers, builded not in the name of art and effect, but to render a practical service to conditions of American life, we are evolving an American architecture. The formula is the same in the development of a national type in any field, whether poetry, literature, painting or architecture; it is the expression of the national life as it appears in the answer to national needs. It is easy to believe, then, that American architecture will have above all things practicality; and what artistic beauty it may have, it will have by virtue of its sufficiency and suitability.

Whatever may be the nature of the final evolution, it is undeniable that we are developing an American architecture, and that to watch the course of its development is both interesting and instructive. We can see its course no more clearly and study it no more intelligently than in the exhibition to be seen in Louisville this week. Those who fail of attendance on this will lose something of both interest and instruction."

### MORE OR LESS PERSONAL.

The Sun-Burst Prism Company, of Philadelphia, manufacturers of prismatic light systems for vaults, sidewalks, doors, skylights, etc., recently opened an office and factory at 61 DeKalb avenue, Brooklyn.

\* \* \*

D. A. Calhoun & Co., consulting engineers, have removed their offices to the Pullman Building, 17 Madison avenue, New York city. They recently opened a branch office in the Oliver Building, Pittsburgh, Pa.

\* \* \*

Martin H. Day was elected president of the Manufacturers' Association of New York at the annual meeting at the association's headquarters, No. 16 Court street, Brooklyn.

\* \* \*

Plans are being matured for the tenth annual meeting of the National Lumber Manufacturers' Association, to be held at the Sinton Hotel, Cincinnati, O., May 7 and 8.

## SPACE FOR A SMILE.

### Petrifying.

She—"Oh, Professor! I saw such a funny old fossil in the museum to-day. I thought of you at once."—"Judge."

\* \* \*

### Bringing Pressure to Bear.

"I'm afraid I can't give you any work. We're hiring about all the men we can use here now."

"I know, sir, but you'd never notice the difference in the little amount I'd do."

\* \* \*

### Needed Covering.

John Sloan, the well-known artist of New York, takes the same intelligent interest in architecture as in painting.

A New York architect, aware of Mr. Sloan's excellent taste, took him in his motor car to see a huge and costly country house that he had erected for a millionaire on a bluff overlooking the Hudson.

As the architect stood with Mr. Sloan on the terrace of the new property he looked up at the mansion's showy facade and said, thoughtfully:

"Stupendous! But I haven't decided yet what kind of creeper to have in front."

"The Virginia creeper," said Mr. Sloan, "would cover it up quickest."—Exchange.

\* \* \*

### Force of Habit.

A poker game was in progress, and Mr. O'Malley called for one card, which was passed to him by Mr. O'Brien.

Mr. O'Brien—"How are ye fixed now that ye have a spade?"

Mr. 'Malley (suspiciously)—"How do ye know that I have a spade?"

Mr. O'Brien—"Because, when I gave ye the cyard ye spit in yer right hand."—Exchange.

\* \* \*

### Lenten Sacrifice.

A fashionable architect in a city on the line of the Erie Canal raises his fashionable standard to the highest power by using a hyphen between the last two of his three names. The other day one of his friends, to whom the hyphen always has been a matter to be treated irreverently, came upon the architect as he was registering in a Fifth avenue hotel.

"Hi, Bill," cried the disrespectful one, thumping the architect on the back, "you've gone and left the hyphen out of your signature!"

"I know it," cooed the architect. "But it's Lent, you know. As I have to give up something, I give up the hyphen."—"New York Press."

Your salesman would consider himself fortunate to get **ONE TEN-MINUTE INTERVIEW** with a busy architect **IN THREE MONTHS**. We **REACH** and **TALK DIRECT** to men of this calibre **FIFTY-TWO WEEKS IN THE YEAR!**



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OUR NEW COLONIAL CEILING PLATES are of neat and classical design. Other design suitable for any ceiling or side wall

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**Reinforced Concrete Engineer**  
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**We can place them for you**

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**707 Walnut Street**  
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**Hardwood Floors**

If you are interested a look will convince you that we have the floors you want.  
 A floor without cracks.

**CHEAPER ————— BETTER**  
**MASTERS PATENT FLOOR CO.**  
**No. 7 South Sixteenth St., Philadelphia**



**Best  
Quality  
Roofing  
Slates**

**Blackboards and structural slate**  
**BANGOR SLATE CO.**  
**Bangor, Pa.**

Mention "The Builders' Guide."

**Alterations and Additions**

M. Gabriele (O), 729 Mildred street. Pono Pisanti (C), 808 South Darien street. Dwelling, \$800.

Dr. B. Salvatore (O), 1215 Federal street. N. A. Villecco (C), 1213 Titan street. Cost, \$450. Dwelling, 1205 Federal street.

S. I. Hobson (O), 3723 North Fifteenth st. McLaughlin McNamara (C), 3972 Elser st. Cost, \$2,650. Store, Germantown avenue and Erie avenue.

Philadelphia Electric Company (O), Tenth and Chestnut streets. Cost, \$3,000. Garage, J street and Kensington avenue.

Philadelphia Rapid Transit Company (O), Eighth and Dauphin streets. F. A. Havens & Co. (C), 845 North Nineteenth street. Cost, \$2,800. Car barn, Thirty-first and Susquehanna avenue.

Schuylkill Steel Forgery Company (O), 729 South Twenty-seventh street. J. J. Harding (C), 746 Ringgold street. Cost, \$1,000. Office, American and Pike streets.

U. G. I. Company (O), Broad and Arch streets. Belmont Iron Works (C), Twenty-second and Washington avenue. Cost, \$6,000. Manufacturing building, Twenty-ninth and and Ritner streets.

Penn Salt Manufacturing Company (O), Greenwich Point. Belmont Iron Works (C), Twenty-second and Washington avenue. Cost, \$7,000. Tank building, Shunk and Delaware avenue.

Glen Willow Ice Company (O), Manayunk, Philadelphia. H. Voight (C), Twenty-eighth and Thompson streets. Cost, \$4,990. Plant.

J. G. A. Fisher (O), 6702 Lawton street. John Morrow (C), Oak Lane. Cost, \$1,700. Garage.

James Callahan (O), Fifty-third and Baltimore avenue. A. Sharp (C), 5134 DeLancey street. Cost, \$550. Storage.

**RUUD  
Automatic Gas  
Water Heaters**

**The Novelty of Yesterday  
The Necessity of To-Day**

**HILL-CANTON  
Clothes Drying  
Cabinets**

**The Only Dryer that Ventilates  
and is Guaranteed Not to Turn  
Clothes Yellow.**

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*Finished to match all wall papers,  
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*Manufacturers of*

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**STEEL TOWERS**

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## Proposals

### Bonds. Improvements. Equipment.

As the Home Office and Headquarters of the Most Important Financial, Railroad, Engineering, Structural, Manufacturing and Equipment Firms in the United States, Pennsylvania offers a Particularly Rich and Productive Field for "Proposal" advertising. "The Builders' Guide" is the Only Medium in this Field.

### SEALED PROPOSALS

TREASURY DEPARTMENT, OFFICE of the Supervising Architect, Washington, D. C., April 22, 1912.—Sealed proposals will be received at this office until 3 o'clock P. M., on the 17th day of May, 1912, and then opened, for a hydraulic elevator plant, etc., in the United States post office at St. Louis, Mo., in accordance with the drawing and specification, copies of which may be obtained at this office, or at the office of the superintendent, St. Louis, Mo., at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect.

TREASURY DEPARTMENT, OFFICE OF the Supervising Architect, Washington, D. C., April 17, 1912.—Sealed proposals will be received at this office until 3 o'clock P. M. on the 29th day of May, 1912, and then opened, for an electric passenger elevator in the United States post office, Lander, Wyo., in accordance with the drawing and specification, copies of which may be obtained at this office at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect.

TREASURY DEPARTMENT, OFFICE OF the Supervising Architect, Washington, D. C., April 15, 1912.—Sealed proposals will be received at this office until 3 o'clock P. M. on the 27th day of May, 1912, and then opened, for the construction, complete (including plumbing, gas piping, heating apparatus, electric conduits and wiring, and lighting fixtures), of the United States post office at Westfield, Mass. The building is one story and basement and has a ground area of approximately 4,350 square feet; fireproof construction except roof; stone and granite facings. Drawings and specifications may be obtained from the custodian of site at Westfield, Mass., or at this office, at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect.

TREASURY DEPARTMENT, OFFICE OF the Supervising Architect, Washington, D. C., April 18, 1912.—Sealed proposals will be received in this office until 3 o'clock P. M. on the 31st day of May, 1912, and then opened, for the construction complete (including, gas piping, heating apparatus, electric conduits and wiring, and lighting fixtures), of the United States post office at Charleroi, Pa. This building is to have two stories and basement of approximately 4,156 square feet ground area; stone faced, slate roof, and fireproof construction except the roof. Drawings and specifications may be obtained from the custodian of the site or at his office at the discretion of the Supervising Architect. JAME KNOX TAYLOR, Supervising Architect.

The finest automobile will not run when the tank is empty, and the finest space can not pull unless it is filled with copy that grips interest.—"Printer's Ink."

### BOOKS RECEIVED.

For the benefit of those persons who admire the "craftsman" school of architecture and are content to build and to own homes lacking the individual touch peculiar to the work of a good architect, Mr. Gustav Stickley has just issued an attractive volume entitled, "More Craftsman Homes," presenting a series of country homes and bungalows suited to the person of limited means and yet not wholly wanting in a certain wide grace peculiar to Mr. Stickney's work at its best. The volume will be found replete with ideas worth noting, is beautifully illustrated, contains a great deal of familiar argument intended to indoctrinate craftsman principles and makes an exceedingly good-looking and quite readable book. One need not agree with Mr. Stickney to perceive the fact that he is capable of evolving ideas worthy of the attention of his fellow-architects. There is a charm and grace, an unstudied wholesomeness and "home" atmosphere about much of Mr. Stickley's work that is admirable in its bold, unfettered revolt from the traditionally commonplace. "More Craftsman Homes" constitutes, in fact, a distinguished contribution to the architectural thought of the present day.

This, of course, does not mean that the man interested in building a country house, or even a bungalow for that matter, may wholly dispense with architectural co-operation. We are, indeed, tempted to counsel, most strongly, the course diametrically opposed. At the same time it must be conceded that "More Craftsman Homes" is not without ideas. Its value is chiefly suggestive and by reason of its boldness, if nothing else, favorable to better and more original ideas. Published by the Craftsman Publishing Company, 41 West 34th street, New York city.

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### REAL ESTATE TRANSFERS. . .

Summary for week ending April 27, 1912:	
Number of transfers . . . . .	405
Amount of transfers . . . . .	\$1,469,579.34
Cash consideration . . . . .	371,779.34
Mortgage consideration . . . . .	1,097,800.00
Ground rent consideration . . . . .	724.84
Which on a 6 per cent. basis amounts to . . . . .	12,080.67

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## PATENTS

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Mention "The Builders' Guide."



# Reference Directory for Architects, Builders and Owners

## Artists' and Architects' Supplies.

F. Weber & Co., 1125 Chestnut st., Phila.

## Architectural Iron and Metal Work.

John L. Gaumer Co.,  
22d and Wood sts., Phila.

## Awnings

Bernard McCurdy,  
N. E. Cor. 9th and Arch sts., Phila.

## Brick (Face, Etc.)

United Brick and Clay Products Co.,  
Morris Bldg., Phila.  
O. W. Ketcham, Builders' Exchange, Phila.

## Brick Renovating.

Adolph Christensen,  
1433 Brown st., Phila.

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Stephen F. Ketran, 312 S. 24th st., Phila.

## Blue Prints

Blue Print Co., 1516 Chestnut Street, Phila.

## Boilers and Stacks.

Lindemann Engineering Co.,  
Drexel Bldg., Phila.

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John L. Gaumer Co.,  
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## Builders.

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Samuel H. French & Co.,  
4th and Callowhill sts., Phila.  
Chas. Warner Co., Land Title Bldg., Phila.  
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William B. Southern,  
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N. E. cor. 9th and Arch sts., Phila.

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Fritz & La Rue,  
4800 Parkside ave., Phila.

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Duncan & Duncan, Inc.,  
1724 Chestnut st., Phila.

## Furnaces and Ranges.

Bartlett & Co., 1938 Market st., Phila.  
Henry M. Miller, 40 N. 2nd st., Phila.

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United Gas Improvement Co.,  
Broad and Arch sts., Phila.

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Jos. Dixon Crucible Co.,  
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## Metal Furniture.

Edward Darby & Sons Co.,  
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## Plaster Board.

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O. W. Ketcham, Builders' Exchange, Phila.

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Builders' Exch., Phila.

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William B. Southern,  
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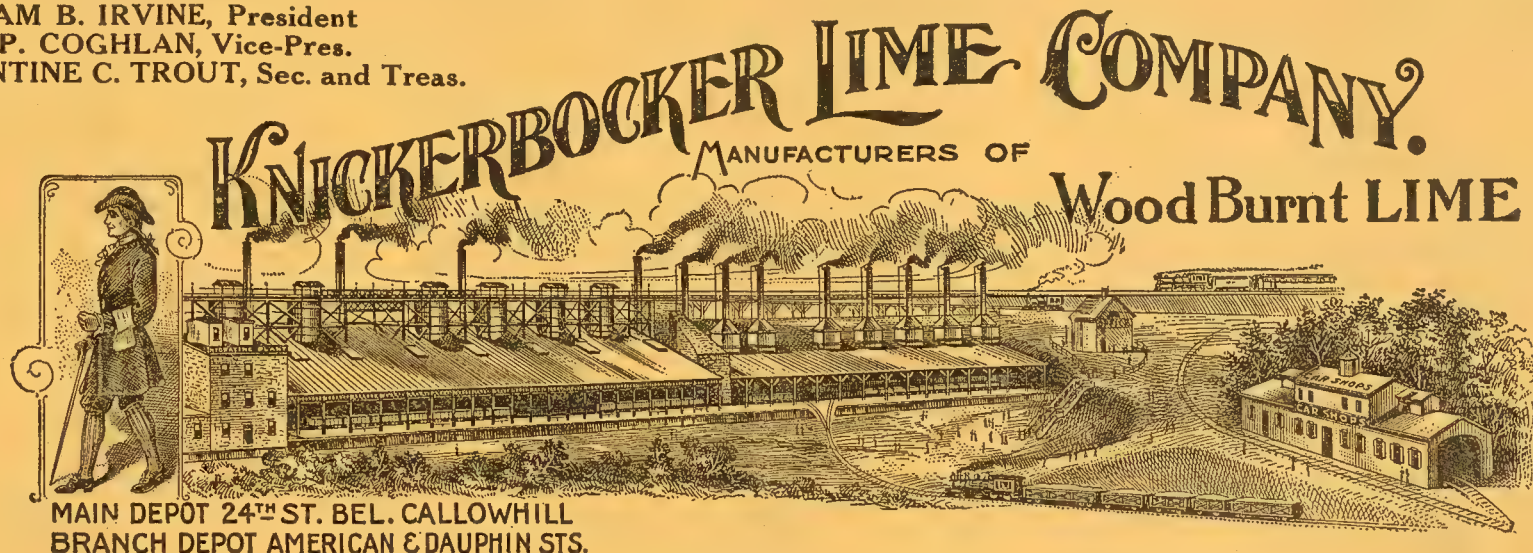
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# Builders' Guide

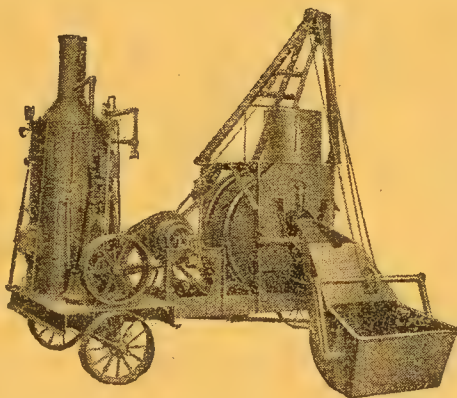
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Vol. XXVII., No. 19.

PHILADELPHIA, WEDNESDAY, MAY 8, 1912.

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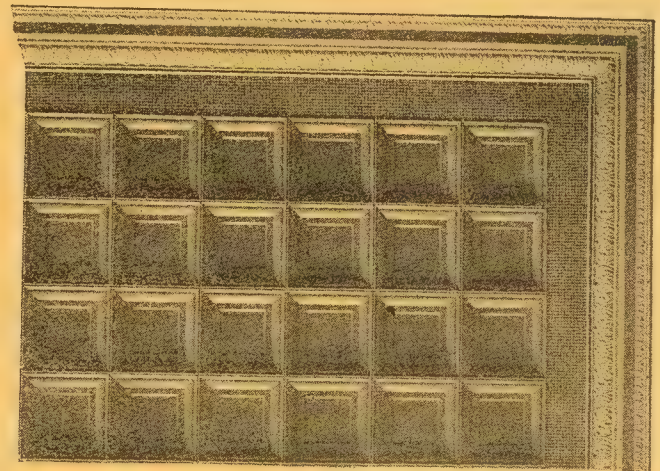
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Vol. XXVII., No. 19.

PHILADELPHIA, WEDNESDAY, MAY 8, 1912.

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## Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Residences (3)**, Chestnut Hill, Philadelphia. Architects, Duhring, Okie & Zeighler, Bailey Building. Owner, Dr. Geo. Woodward, North American Building. Stone and plaster, two and one-half stories, electric lighting, hot water heating. Plans in progress.

**Bungalow**, Pocono Manor, Pa. Architects, Savery, Sheetz & Savery, Stephen Girard Building. Owner, S. S. Thompson, 2029 Spruce street. Stone and frame, three stories, 30x45 feet, shingle roof, electric lighting. Plans completed. Owner to take bids.

**Bungalow**, Pocono Lakes, Pa. Architects, Savery, Sheetz & Savery, Stephen Girard Building. Owner, T. C. Potts, 425 West Walnut Lane. Stone, frame, two stories, 20x40 feet, shingle roof, electric lighting. Owner to take bids.

**Residence (alt. and add.)**, Plymouth Meeting, Pa. Architects, Savery, Sheetz & Savery, Stephen Girard Building. Owner, Walter H. Carson, on premises. Stone, brick and plaster, two and one-half stories, 30x20 feet. Architects taking bids due May 10.

**New Church (alt. and add.)**, Tatamy, Pa. Architect, George E. Savage, Witherspoon Building. Owners, Evangelical Lutheran Church, Tatamy, Pa. Stone, one story, electric lighting. Plans in progress. To early for details.

**Church and Sunday School (alt. and add.)**, Pleasantville, N. J. Architect, George E. Savage, Witherspoon Building. Owners, Salem M. E. Church of Pleasantville, N. J. Stone, one story and basement, 50x72 feet and 54x48 feet, slate roof, electric lighting. Plans in progress.

**Canning House**, Rio Grands, N. J. Architects, Peuckert & Wunder, 310 Chestnut street. Owners, George and C. E. Anderson, Rio Grande, N. J. Brick, rubberoid roof. Architects taking bids due in a few days. Lane & Glenn, Wildwood, N. J.; Parson & Robinson, Holly Beach, N. J.; F. W. Faukes, Sea Isle City, N. J., are figuring.

**Residence (alt.)**, Frazier, Pa. \$10,000. Architect, Charles Barton Keen, Bailey Building. Owner, W. H. Vilas, care of architect. Stone, two and one-half stories. Plans in progress.

**Pier**, Cape May, N. J. Architect, Charles S. Parker, 1227 Hilton street. Owners, Ocean Pier and Amusement Company, Cape May, N. J. Frame, one and two stories, 475x135 feet, electric lighting, shingle roof. Owners taking bids due May 10. The following are

figuring: H. E. Baton, Tenth and Sansom streets; The Breakwater Company, Morris Building; S. Goshen, Wildwood, N. J.

**Factory Building**, Willow and Orianna sts. Architect, F. Webber, Morris Building. Owner's name withheld. Brick and concrete, five stories, 40x78 feet, slate roof, electric lighting, steam heat, electric freight elevator. Architect taking bids due May 10. The following are figuring: A. Whitehead, 1624 Latimer st.; J. W. Emery, 1524 Sansom street; George F. Pawling, Broad and Vine streets; H. H. Wehmeyer, 1004 West Lehigh avenue.

**Stable**, 14-16-18 Norfolk street. Architect, Alphonso Sagramoso, 1009 South Eighth street. Owner, Mrs. Clara Tacker, Fifteenth and Christian streets. Brick, one story, 40x50 feet, slag roof, electric lighting. Architect taking bids due May 7. P. J. Hurley, 1233 Cherry street, is figuring.

**Station**, Wilmington, N. C. Architects, Pleasants & Leitner, Wilmington, N. C. Owners, Atlantic Coast Line, R. R. Co., Wilmington, N. C. Electric lighting, brick and terra cotta, six stories, 105x96 feet, steam heating, slag roof, electric lighting. Architects taking bids due May 9. Irwin & Leighton, 126 North Twelfth street, is figuring.

**Factory Building**, Twelfth and Wood streets. Architects, William Steele & Sons Company, Sixteenth and Arch streets. Owners, J. Edwards & Co., 606 Cherry street. Brick and concrete, eight stories, 71x124 feet, slag roof, electric lighting. Plans in progress.

**Warehouse**, Twenty-fourth and Wood streets. Architects, Sauer & Hahn, 1118 Chestnut street. Owners, Ford & Kendig. Twenty-fourth and Wood streets. Brick and concrete, two stories, 63x144 feet, slag roof, electric lighting. Architects taking bids due May 9th. The following are figuring: Armstrong & Latta, Land Title Building; Thomas Little & Son, 1613 Sansom street; Lam Building Co., 1001 Wood street; William R. Dougherty, 1610 Sansom street; F. A. Havens & Co., 845 North Nineteenth street; J. Sims Wilson, 1125 Brown street; Irwin & Leighton, Twelfth and Cherry streets; A. R. Raff, 1635 Thompson street; W. T. Miller, 627 Filbert street.

**Residence and Garage**, Merion Pa., \$12,000. Architect, Charles Barton Keen, Bailey Building. Owner, Van Court Carwithen, Mariner & Merchants' Building Stone, 2½ stories, 55x30 feet, tile roof, hot-water heating, electric lighting, hardwood

floors. Architect taking bids due May 10th. The following are figuring: A. L. Fretz & Son, 1222 Chancellor street; E. J. Hedden, 14 South Broad street; M. W. Young, Overbrook, Philadelphia; F. R. Heavner, Norristown, Pa.; W. J. Gruhler & Co., 219 E. High street; George L. Croll, Rosemont, Pa.

**Bank (remodeling)**, Second and Market streets, Camden, N. J., \$40,000. Architects, Seymour & Paul A. Davis, 1713 Sansom street. Owner, National State Bank of Camden, on premises. Brick and stone, two stories, steam heating. Plans in progress. Architects will take bids in three or four weeks.

**School**, Chester, Pa. Architects, Seymour & Paul A. Davis, 1713 Sansom street. Owner, School Board of Chester, Pa. Brick and stone, two stories, slate roof, indirect heating system, electric lighting. Plans in progress. Owners will take bids in about one month.

**Residence (alt. and add.)**, 1511 Oxford street. Architects, Sauer & Hahn, 1118 Chestnut street. Owner, Frank E. Hahn, 1118 Chestnut street. Brick, three stories. Plans in progress.

**Church (completion)**, Twenty-ninth and Dickinson streets, \$12,000. Architects, E. F. Durang & Son, Twelfth and Chestnut streets. Owner, St. Gabriel's R. C. Church, Rev. P. J. Mellon, Twenty-ninth and Dickinson streets. Consists of finishing of interior. Plans about completed. Architects will take bids in a few days.

**Residence (alt. and add.)**, 2044 Locust streets. Architects, Baker & Dallett, 1629 Chestnut street. Owner, J. S. Wallace, Bailey Building. Brick, four stories, slag roof, electric lighting. Architects taking bids due May 9. The following are figuring: Mitchell Bros., 2125 Race street; B. P. Evans & Co., Thirteenth and Wallace streets; J. P. Thompson, 1432 South Penn Square; Metzger & Wells, Heed Building.

**Association Bldg.**, Dayton Ohio. Architects, Schenck & Williams, Dayton, Ohio. Owners, The Women's Christian Association, Dayton, Ohio. Brick and terra-cotta, six stories, 102x215, electric lighting, slag roof, hot-water heat, hardwood floors. Architects taking bids due May 9. Chas. McCaul Co., Tenth and Sansom streets, figuring.

**Church**, Narberth, Pa. Architects, E. F.



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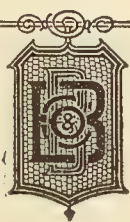
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**N. E. Cor. 22d and Wood Streets**

Durang & Sons, Twelfth and Chestnut streets. Owners, St. Margaret's R. C. Church, Narberth, Pa. Stone, one story, 50x81, electric light, steam heat, slate roof. Plans in progress for completion of church.

Parochial School, Laurel Springs, N. J. Architects, E. F. Durang & Sons, Twelfth and Chestnut streets. Owners, St. Lawrence R. C. Church, Laurel Springs, N. J. Brick, two stories, 45x50, shingle roof, electric lighting, steam heating. Architects have received bids.

Residence (alt. and add.), 800-2 South Forty-eighth street. Architect, H. B. Ward, Witherspoon Building. Owner's name withheld. Stone, one story, electric lighting, slag roof. Architect has received bids.

Bakery Bldg., Pottstown, Pa., \$12,000. Architect, Chas. Balderson, 411 Walnut street. Owner, John Schultz, Pottstown, Pa. 609 Walnut street. Brick, two stories, slag roof, 60x140, electric light, steam heat. Plans completed. Owner taking bids.

Residence, Brielle, N. J. Architect, Bart Tourison, Land Title Building. Owner, Chas. Schroder, Jersey City, N. J. Brick or hollow tile, two and a half stories, 78x32, shingle roof, hot-water heating, hardwood floors, electric light. Plans in progress.

Power Plant, Hauto, Pa. Architect, L. B. Stillwell, 100 Broadway, N. Y. Owners, Lehigh Navigation Elec. Co., Hauto, Pa. Brick, concrete, one and two stories, 418x180, slag roof, electric lighting. Architect taking bids due May 10. Jacob Myers & Son, Witherspoon Building; Wm. Steele & Sons, 1600 Arch street, are figuring.

Residence (alt. and add.), 4213 Chester avenue. Architect, R. E. White, Pennsylvania Building. Owner, M. K. Harr, 4213 Chester avenue. Stone, three stories, tin and slate roof, electric lighting. Architect has received bids.

Residence (alt. and add.), Fort Washington, Pa. Architect, R. E. White, Pennsylvania Building. Owner, Calvin Pardee, Fort Washington, Pa. Stone, three stories, electric lighting, tin roof. Architect has received bids.

Pier No. 5, Navy Yard, Philadelphia, Pa. Architect, private plans. Owner, U. S. Government, Department of Yards and Docks, Washington, D. C., care of H. R. Stanford. Concrete and steel, wood, 657 ft. long. Owners taking bids due May 11. Guernsey, O'Mara Co., North American Building, figuring.

Store and Apt. House, Bryn Mawr, Pa. Architect, private plans. Owner, Frank J. Floyd, Rosemont, Pa. Brick, three stories, 40x70, slag roof, electric lighting, hot-water heating, hardwood floors. Owner has received bids.

Chapel, Harrisburg, Pa. Architect, J. A. Dempwolf, York, Pa. Owners, Pennsylvania State Lunatic Hospital, H. L. Orth, Superintendent, Harrisburg, Pa. Brick and stone, one story. Owners taking bids due 10 A. M., May 20. Plans can be obtained from architect on receipt of \$25.

Residence, Pennfield, Pa. Architect, Arthur B. Gill, 1001 Chestnut street. Owners, Clifford B. Harmon & Co., Fifteenth and Chestnut streets. Stone and frame, two and a half stories, shingle roof, hot-water heating, electric lighting. Owners taking bids.

The following are figuring. Arthur B. Gill, 1001 Chestnut street; Standard Const. Co., Drexel Bldg.; R. H. Baskins, 1017 Belmont avenue; Geo. N. Lytle, 4836 Walton avenue.

Cottage, Elkins Park, Pa. Architects, Bissell & Sinkler, Bailey Building. Owner, G. W. Elkins, Elkins Park, Pa. Stone and hollow tile, two stories, 27x39, shingle roof, electric lighting, hot-air heating. Architects taking bids due May 9. The following are figuring: Appleton & Burrell, 1204 Chancellor street; J. P. Thompson, 1432 South Penn Square; George & Borst, 277 South Eleventh street; F. L. Hoover & Sons, Builders' Exchange; M. E. Hauser, Glenside, Pa.; H. Specht, Willow Grove, Pa.

Crucible House, Tacony, Philadelphia, \$25,000. Owners, Henry Disston & Sons, Tacony, Philadelphia. Brick, two stories, 65x145, slag roof, electric light. Owners taking bids due May 9. The following are figuring: Chas. McCaul Co., Tenth and Sansom streets; Wm. Steele & Sons Co., 1600 Arch street; Stacey Reeves & Sons, 1611 Filbert street; F. W. Van Loon, Denckla Building; F. J. Boas, Fidelity Building; M. Magee & Co., 1600 North Front street.

Residence, Jenkintown, Pa. Architect, Werner Trumbower, Crozer Building. Owner, Jerry March, 704 North Sixteenth street. Plaster, three stories, 31x66, hot-air heating, electric lighting, oak floors. Owner taking bids. The following are figuring: A. L. Fretz & Sons, 1222 Chancellor street; Ralph March, 1001 Chestnut street.

Hotel, 1229-31-33-35 Chestnut street, \$1,000,000. Architect, Horace Trumbauer, Land Title Building. Owners, Goodin & Provan, Hotel Bingham, Eleventh and Market streets. Brick, terra-cotta and steel, fireproof, 21 stories, 85x145, steam heating, electric lighting, hardwood floors. Architect taking bids due May 9. The following are figuring: James G. Doak & Company, Crozer Building; Chas. McCaul Co., Tenth and Sansom streets; J. E. & A. L. Pennock, Land Title Building; George F. Payne & Company, 401 South Juniper street; Geo. A. Fuller Co., Morris Building; Cramp & Co., Denckla Building; Wm. Steele & Sons Co., 1600 Arch street; Hedden Construction Co., 1 Madison avenue, N. Y. City; Roydhouse, Arey Co., Fidelity Building.

Bungalow, Cape May, N. J. Architect, Lloyd Titus, 430 Walnut street. Owner, Nelson Z. Graves, 22 South Third street. Stucco, two stories, 39x60, tile roof, steam heating, electric lighting, gas water heater. Architect has received bids.

Passenger Station, Tunnel and Sheds, Rahway, N. J. Architect, Wm. H. Cookman, Broad Street Station. Owner, Pennsylvania Railroad Co., Broad Street Station. Brick and terra-cotta, two stories, 50x70, tile roof, steam heating, electric lighting. Plans in progress.

Office Building, N. E. corner Seventeenth and Arch streets. Architect, J. T. Windrim, Commonwealth Building. Owner, Bell Telephone Co., Thirteenth and Arch streets. Brick, concrete and steel, fireproof, 17 stories. Plans about completed. Architect will take bids in about ten days.

Residence, Wyndmoor, Pa. Architects, Morris & Erskine, Crozer Building. Owner, H. B. Shill, care of architects. Stone, two and a half stories, 40x51, slate roof, electric





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lighting, hot-water heating. Architects taking bids due May 11. The following are figuring: F. B. Davis, 35 South Seventeenth street; John Davies, 1208 Chestnut street; H. E. Grau Co., 1707 Sansom street; W. J. Gruhler & Company, 219 East High street; R. C. Ballinger & Co., 218 North Thirteenth street; Thomas M. Seeds, 1207 Race street; H. Specht, Willow Grove, Pa.; W. P. Albrecht, Glenside, Pa.; J. Unruh, Wyndmoor, Pa.

**Residence**, Wissahickon, Philadelphia. Architect, G. S. Idell, Harrison Building. Owner, Robert Curry, care of architect. Brick, stone and stucco, two and a half stories, 26x30, shingle roof, hot-water heating. Architect has received bids.

**Residence** (alt. and add.), Chestnut Hill, Philadelphia. Architect, H. W. Sellers, Stephen Girard Building. Owner, E. T. Earle, Chestnut Hill. Stone, three stories, slate roof, electric lighting. Architect taking bids due May 8. The following are figuring: Appleton & Burrell, 1204 Chancellor street; Stokes Bros., 6723 Musgrove street; A. L. Fretz & Son, 1222 Chancellor street; F. L. Hoover & Sons, Builders' Exchange.

**Library**, Charleston, South Carolina. Architects, McGoodwin & Hawley, 34 South Sixteenth street. Owners, Charleston Library Society, Charleston, S. C. Brick and plaster, one story, 75x53, steam heating, hardwood floors, slag roof, (2) electric book elevators, electric lighting. Architects taking bids due May 10. Jas. G. Doak & Co., Crozer Building; Henry L. Brown, 1714 Sansom street, figuring.

**Factory and Boiler House**, Pennsylvania R. R. and Fifth street, Camden, N. J. Architects, Peuckert & Wunder, 310 Chestnut street. Owners, Kind & Landesmann, on premises. Brick, two stories, 73x93 and 40x

50, slag roof, electric light. Architects have received bids.

**Saturday Club** (alt. and add.), Wayne, Pa., \$5000. Architects, DeArmond, Ashmead & Bickley, 618 Chestnut street. Owners, The Saturday Club, Wayne, Pa. Frame, two stories, shingle roof, electric lighting, new heating plant. Architects have received bids.

**Bungalow**, Winston-Salem, N. C. Architect, Chas. Barton Keen, Bailey Building. Owner, R. J. Reynolds, Winston-Salem, N. C. Fireproof, two and a half stories, 125x50, electric lighting, hardwood floors, tile roof, atmospheric heat. Plans in progress.

**Residence**, Conshohocken, Philadelphia. Architect, H. G. McMurtrie, Bailey Building. Owner, Alan W. Jones, Conshohocken, Philadelphia. Hollow tile and plaster, two and a half stories, 25x45, shingle roof, hot-water heating. Plans in progress.

**Green House**, Ardmore, Pa., \$3,500. Architect, John Charles Norton, Ardmore, Pa. Owner's name withheld. Steel and glass, one story, 20x70 feet. Concrete floors. Architect taking bids.

**Store and Offices** (alts.), Ardmore, Pa., \$2,500. Architect, John Charles Norton, Ardmore, Pa. Owner, The Chronicle Building, Ardmore, Pa. New front and interior alterations, electric lighting, tile floors, metal ceilings. Plans in progress.

**Stores** (alt. and add.), Twenty-first and South streets. Architect, private plans. Owners, Girard Trust Co., Broad and Chestnut streets. Brick, three stories. Lam Building Co., 1001 Wood street, are taking sub-bids.

**Residence**, Eighteenth and Race streets. Architect, H. D. Dagit, 411 Walnut street. Owner, Archbishop E. F. Prendergast, 223 West Logan street. Stone, three stories, 52x100 feet. Hardwood floors, electric lighting,

steam heating, tile roof, electric elevator. Revised plans in progress.

**Pier Superstructure**, Atlantic City, N. J. Architects, Price & McLanahan, Sixteenth and Walnut streets. Owners, Absecon Co., Atlantic City, N. J. Concrete, two stories, 2,500 feet long. Oriental design. Plans in progress.

**Mission Home**, East Price street, Germantown, Philadelphia. Architect, Stanford B. Lewis, Builders' Exchange. Owners, Presbyterian Church of Germantown. Stone and marble, two and one-half stories, 50x75 feet.

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slag roof. Plans in progress.

Church, Camden, N. J. Architect, George I.  
Lovett, 411 Walnut street. Owner, St. Jo-  
seph Polish Catholic Church. Stone, two  
stories, 70x152 feet. Slate roof, electric light-  
ing. Architect taking bids, due May 15th.

The following are figuring: John Maher,  
Trenton, N. J.; M. L. Conneen & Co., 315  
South Twentieth street; W. J. McShane, 417  
South Thirteenth street; William R. Dough-  
erty, 1608 Sansom street; D. M. Reise, Cam-  
den, N. J.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man  
and Interior and Exterior Fitter.

**Apartment House**, southwest corner Fif-  
teenth and Pine streets, \$150,000. Archi-  
tects, McIlvain & Roberts, Land Title Bldg.  
Brick and steel (concrete floors), fireproof,  
ten stories. Contract awarded to Metzger  
& Wells, Heed Building, who will be ready  
for sub-bids in a few days.

**Barn and Cow Stable**, Hatboro, Pa.  
Architect, Clyde S. Adams, 1329 Arch  
street. Owners, The Orange Home, Hat-  
boro, Pa. Frame, two stories, 45x45 feet,  
shingle roof, electric light. Contract award-  
ed to Boyer & Lewis, Camden, N. J.

**Club House**, Ocean City, N. J. Archi-  
tects, Seymour & Paul A. Davis, 1713 San-  
som street. Owners, Ocean City Yacht  
Club, Ocean City, N. J. Brick and frame,  
three stories, shingle roof, hot-water heat-  
ing, electric lighting. Contract awarded to  
Barber & Marts, Ocean City, N. J.

**Residence** (alt. and add.), Langhorne, Pa.  
Architect, H. G. McMurtrie, Bailey Bldg.  
Owner, John M. Patterson, Langhorne, Pa.  
Consists of new porch and terrace. Con-  
tract awarded to Joseph Perna, 334 North  
Sixty-fifth street.

**Residence**, Glenside, Pa. Architect, Berz-  
ner & Wood, 721 Walnut street. Owner,  
William S. Smiles. Architect, ———.  
Brick and plaster, 2½ stories, 26x44 feet,  
shingle roof, electric lighting. Contract  
awarded to Gaffney & Co., 130 North  
Twelfth street.

**Residence**, Overbrook, Phila., Pa. Archi-  
tect, T. H. Atherson, Jr., Wilkes-Barre, Pa.  
Owner, W. Logan MacCoy, Real Estate  
Trust Building. Stone and frame, two  
stories, 37x47 feet, shingle roof, hot-air heat-  
ing, electric lighting. Contract awarded to  
E. J. Kreitzburg, 1345 Arch street.

**Bank Building** (alt.), Newark, N. J.  
Architects, Shore & Dodge, 608 Chestnut  
street. Owners, The National Newark  
Banking Co., Newark, N. J. Consists of in-  
terior alterations. Contract awarded to  
Slamond Bros. & Co., Arlington, N. J.

**Power House** (add.), Christian street and  
Schuylkill avenue. Architect, J. T. Wind-  
rim, Commonwealth Building. Owners,  
Philadelphia Electric Co., Tenth and Chest-  
nut streets. Brick, four stories, 170x55 feet,  
slag roof, enamel brick, electric lighting.  
Contract awarded to John R. Wiggins &  
Co., Heed Building.

**Home** (alt. and add.), 6300 Greene street,  
Germantown. Architects, Bunting & Shrig-  
ley, 603 Chestnut street. Owners, Friends'  
Boarding Home, on premises. Brick, two  
stories, slag roof, electric lighting, steam  
heat. Contract awarded to W. C. Wright,  
22 Harvey street, Germantown.

**Car Shops**, Green Springs, W. Va. En-  
gineer, M. A. Long, Baltimore, Md. Own-  
ers, Baltimore & Ohio Railroad Company,  
Baltimore, Md. Brick, one and two stories,  
154x88 feet, slag roof. Contract awarded  
to J. J. Walsh & Son, Baltimore, Md.

**Residences (3), Garages (3)**, Atlantic City,  
N. J. Architect, J. P. Klenges, Jr., 920  
Witherspoon Building. Owners, ———.  
E. L. Lee, Architect. Brick, frame stucco,  
two and one-half stories, 28x49 feet. Gar-  
ages, 19x20 feet, slate roof, electric lighting,  
hot-water heating. Contract awarded to  
H. E. Baton, Tenth and Sansom streets.

**Residence**, Haverford, Pa., \$18,000. Archi-  
tects, DeArmond, Ashmead & Bickley, 618  
Chestnut street. Owner, A. A. Hirst, 211  
South Sixth street. Stone, 2½ stories,  
shingle roof, electric lighting, hardwood  
floors, vacuum heating. Contract awarded  
to George & Borst, 277 South Eleventh  
street.

**Residence** (add.), 18th and Spruce streets.  
Architects, Brockie & Hastings, 328 Chest-  
nut street. Owner, George H. McFadden,  
121 Chestnut street. Plaster and brick,  
three stories, 47x47 feet, electric lighting,  
hardwood floors, steam heating, slag roof.  
Contract awarded to J. C. Cornell & Sons,  
Land Title Building.

**Residence** (completion), Swarthmore, Pa.  
Architects, Price & McLanahan, Sixteenth  
and Walnut streets. Owner, H. Edgar  
Barnes, Swarthmore, Pa. Plaster, three  
stories, 34x22 feet, tile roof, electric light-  
ing, hot-air heating. Contract awarded to  
Mowrer Bros., Merion, Pa.

**Residence and Stable**, Penrose Ferry  
Road, Philadelphia. Architect, Jesse Adams,  
1233 Arch street. Owner, Henry Brookes,  
Penrose Ferry Road, Philadelphia. Brick,  
two stories, 20x64 feet and 22x92 feet, slag  
roof, steam heating, electric lighting, hard-  
wood floors. Contract awarded to Alexan-  
der Chambley, 243 South Tenth street.

**Passenger Station**, Harrison, N. J. Archi-  
tect, A. C. Shand, Broad Street Station.  
Owner, Pennsylvania Railroad Company,



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Passenger Station, Tunnelton, W. Va. Architect, M. A. Long, Baltimore, Md. Owner, Baltimore & Ohio Railroad Company. Brick, one story, 24x59 feet. Tile roof, electric lighting, steam heating. Contract awarded to Swift & Co., 182 Madison avenue, Chicago, Ill.

Residence, Coatesville, Pa. Architect, L. C. Hickman, 328 Chestnut street. Owner, Charles J. Stott, Coatesville, Pa. Hollow tile, 2½ stories, 50x40 feet, shingle roof, electric lighting. Contract awarded to E. L. Aiken, Vintage, Pa.

Residences (4) Dover, Delaware. Architect, Jacob Naschold, 721 Walnut street. Owner, Mr. Charles Wilson, Dover, Del. Frame, 2½ stories, 36x32 feet, shingle roof, electric lighting, steam heating. Contract awarded to H. B. Riggs, Dover, Del.

Sunday School and Manse, Fifty-seventh and Washington avenue. \$40,000. Architect, George E. Savage, Witherspoon Building. Owners, Ninth Presbyterian Church, on premises. Stone, one story and basement, 150x200 feet, slate roof, electric lighting, steam heating. Contract awarded to T. C. Trafford, 1613 Sansom street. Note change of contractor.

Church, East Rhawn street, Fox Chase. Architects, Henon & Boyle, 14 South Broad

street. Owner, St. Cecelia's R. C. Church, care of W. C. Shendan, on premises. Stone, one story and basement, 40x135 feet. Tile roof, electric lighting and steam heating. Contract awarded to M. L. Coneen & Co., 315 South Twentieth street.

Building, 835 Arch street. Architects, Magaziner & Potter, 137 South Fifth street. Owner, Keystone Trading Stamp Company, 702 Arch street. Brick and concrete, six stories, 25x145 feet. Slag roof, electric lighting, steam heating. Contract awarded to Lam Building Company, 1001 Wood street.

Residence, Crestmont, Pa. Architect, H. L. Reinhold, 1309 Walnut street. Owner, J. C. Bell, Land Title Building. Frame, two and one-half stories, 26x34 feet. Electric lighting, hot air heating, slate roof. Contract awarded to Murphy & Sanderson, Willow Grove, Pa.

Storage House, Ardmore, Pa., \$35,000. Architect, John Charles Norton, Ardmore, Pa. Owner, George W. Doran, Ardmore, Pa. Brick and concrete floors, fireproof, two stories, 60x54 feet. Asbestos roof, steam heating, electric lighting. Contract awarded to Wm. H. Smith, Ardmore, Pa.

Store and Offices (alts.), Ardmore, Pa., \$6,500. Architect, John Charles Norton, Ardmore, Pa. Owner, Dr. Hampton E. Brown, Ardmore, Pa. Consists of new bulk windows and interior alterations. Contract awarded to Frank H. Mahan, Ardmore, Pa.

## Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Michael H. Riegel (O), 5513 North Second. Cost, \$4000. (2) two-story brick dwellings, 15x47.

N. B. Cannlan (O), 236 South Fifty-fourth street. Cost, \$50,000. (2) apartment buildings, three stories, 18x67 and 34x67, Forty-ninth and Walnut streets.

John Schmink (O), 612 West Cambria street. Cost, \$10,800. (7) two-story brick dwellings, 14x36, Seventh and Ontario streets.

P. M. Cardy (O), 5205 Walnut street. Cost, \$19,200. (8) two-story brick dwellings, 16x54, C street and Wyoming avenue.

E. Whalen (O), Germantown. T. H. Sharp (C), 3613 North Lawrence street. Cost, \$4000. (2) two-story brick dwellings, 16x45, Stenton avenue and Haines street.

School Lane Land Company (O), Stokley street and Midvale avenue. Cost \$15,500. (3) three-story stone dwellings, 27x46, Midvale avenue.

The Philadelphia Electric Company, Tenth and Chestnut streets. Cost, \$2000. (1) one-story store house, 50x25, concrete, Milnor and Robbins streets.

Frank B. Thompson, 4430 Chestnut street. Cost, \$126,800. (30) three-story brick dwellings, Gerhard street and Ridge avenue.

William J. Mildell (O), Seventy-seventh and Brewster streets. Cost, \$3400. (2) two-

story brick dwellings, Bartram avenue, east of Seventy-ninth street.

F. C. Michaelson (O), Land Title Building. Cost, \$2200. (1) two-story dwelling, 16x44, 668 Upland street.

E. A. and B. I. Carroll (O), 700 North Sixty-third street. Cost, \$12,000. (2) three-story stone dwellings, 27x45, Lincoln Drive.

M. I. Casnet (O), 5149 Brown street. Sam Casnet (C), 5149 Brown street. Cost, \$2800. (1) three-story dwelling, 20x30, 340 Monroe street.

S. Bergn (O), 1635 Thompson street. A. R. Roff (C), 1633 Thompson street. Cost, \$9000. Store, one-story, 33x92, 1702, 1704 and 1706 Ridge avenue.

Henry Goebel (O), 621 East Girard avenue. Koelle Speth Co. (C), Twenty-sixth and Oxford streets. Cost, \$3850. Store and dwelling, 621 East Girard avenue.

Weimar Bros. (O), Amber and Dreer streets. Drehmann Paving Co. (C), 2625 Parrish street. Cost, \$800. Boiler house, Amber and Dreer streets.

Schrack & Sheerwood (O), 1516 Callowhill street. Cost, \$800. Storage, 1516 Callowhill street.

A. C. Patterson (O), 1006 West Lehigh avenue. Frank & Kaiser (C), 1517 South Sixth street. Cost, \$2800. (1) store and dwelling, three stories, 16x45, brick, Van Pelt and Cambria streets, (1) \$2500. (1)

\$1700. (1) dwelling, two stories, brick, 14x28.

E. A. & B. L. Carroll (O), Sixtieth street and Girard avenue. Cost, \$10,000. (2) dwellings, 28x36, brick, three stories, Lincoln Drive and Westview avenue.

E. L. Klipp (O), Eighth street and Oak lane. Geo. F. Pawling & Co. (C), 1400 Vine street. Cost, \$6000. Store and apartments, two stories, 35x64, brick, Oak Lane, Pa.

Frank Thompson (O), 8400 Tinicum avenue. Cost, \$3400. (2) dwellings, brick, two stories, 16x40, Redmont street and Tinicum avenue.

Sisters of Mercy (O), Broad street and Columbia avenue. John McShain (C), 631 North Seventeenth street. Cost, \$4000. Stable, two stories, 21x54, 1625 North Broad street.

Young Men's Association (O), Falls of Schuylkill. Gottlobe Stenck (C), 3445 Sunnyside avenue. Cost, \$6000. Club house, one-story, brick, 43x44, Queen lane and Cresson street.

John Laughran (O), 2238 North Broad street. Cost, \$3500. (1) dwelling, brick, two stories, 16x54, Fifth and Rockland streets. Cost, \$59,400. (29) dwellings.

Quaker City Laundry Company (O), Forty-eighth and Ludlow streets. F. C. Michaelson (C), Land Title Building. Cost, \$3500. Garage, brick, one-story, 33x110.

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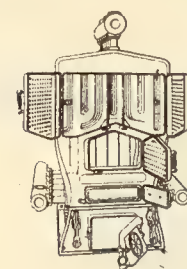
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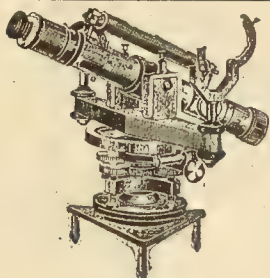
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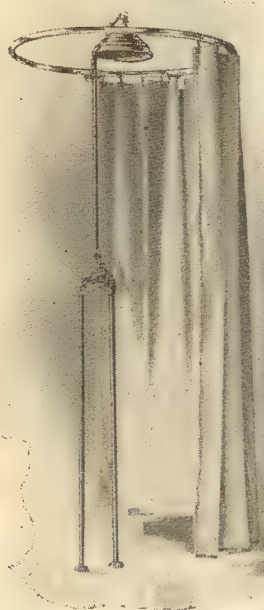
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## Alterations and Additions

Jacob Kusnerit (O), Forty-ninth and Ellsworth streets. Wm. Benkmann (C), 2130 South Sixteenth street. Cost, \$1650. Dwelling house, Forty-ninth and Ellsworth streets.

Estate Conrad Schwoerer (O), 10 Market street. J. N. Gill Company (C), 1213 Filbert street. Cost, \$1800. Saloon, 4 Market street.

C. M. Bugby & Sons (O), 626 Washington avenue. R. B. Clark (C), 1734 Callowhill street. Cost, \$600. Shed 626 Washington avenue.

S. V. Martbaum, 417 South Broad street (O). Smith-Hardican Company (C), 1606 Cherry street. Cost, \$1200. Dwelling, 417 South Broad street.

Mr. Meigs, Juniper and Walnut streets (O). E. H. Williams' Sons (C), 419 Locust street. Cost, \$5500. Offices, Juniper and Walnut streets.

W. C. Jacobs (O), 912 North Sixty-third street. Cost, \$500. Garage.

Dr. O. H. Sterner, 2119 Orthodox street (O). Remier & Byers (C), 4842 Hawthorne street. Cost, \$800. Garage, Arrott and Oakland streets.

Bearmeor & Twister M. B. Association (O), 516 West Lehigh avenue. J. Gaertner (C), 2214 North Third street. Cost, \$600. Club house.

Harry A. Smith (O), 2929 Franklin street. John Schmuack, 612 West Cambria street (C). Cost, \$550. Dwelling, 2900 North Eighth street.

Wendell & Smith (O), 515 Pelham road. C. Johnson (C), 5701 Boyer street. Cost, \$665. Garage, Lincoln Drive and Greene street.

The Bell Company (O), 956 Hancock street. S. Berger (C), 416 Queen street. Cost, \$500. Store, 600 East Ontario street.

Bessie Lavinsky (O), 1901 South Fifth street. O. Savitzke (C), 237 Catharine street. Cost, \$975. Store and dwelling, 1837 South Fifth street.

J. H. Oler (O), 5634 Master street. W. C. Scull (C), 105 North Millick street. Cost, \$1200. Dwelling and store, 5635 Master street.

Margaret McCrea (O), 7670 Germantown avenue. Durham Brothers (C), 1229 Parrish street. Cost, \$675. Store and shop, 1125 Vine street.

M. J. Drexel Home (O), 2100 Girard avenue. A. R. Raff (C), 1635 Thompson street. Cost, \$1000. Residence, 2100 Girard avenue.

Westerly Mashland (O), Sixty-third avenue, east of Thirteenth street. J. H. Dagney (C), York road and Haines street. Cost, \$900. Garage.

Schofield Masons Co. (O), Fairhill and Cumberland streets. A. Diamonds' Son (C), 2048 East York street. Cost, \$1200. Tank.

H. A. Caroll (O), 1712 North Park avenue. H. J. Jungels (C), 5452 Summer street. Cost, \$450. Dwelling.

W. E. Alney (O), 3237 Chestnut street. George W. Gardner (C), 511 North Fortieth street. Cost, \$1317. Laundry, Thirty-third street and Woodland avenue.

Wm. Finch (O), 718 Pine street. J. Farbstine (C), 908 Walnut street. Cost, \$525. Store and dwelling, Ninth and Tasker streets.

G. Fowler (O), 4052 Lancaster avenue. E. Rieber (C), 2632 West Cumberland street. Cost, \$500. Store and dwelling.

Mrs. J. J. Hirschfield (O), 3531 North Nineteenth street. Building Company (C), 1001 Wood street. Cost, \$1000. Dwelling, 3513 North Nineteenth street.

Zoological Society (O), Thirty-fourth street and Girard avenue. J. S. Cornell (C), Land Title Building. Cost, \$1000. Labora-

tory, Thirty-fourth street and Girard avenue.

Sam Akins (O), 8340 Eastwick avenue. Louis Sighe (C), 8405 Eastwick avenue. Cost, \$1000. Dwelling, 330 South Sixtieth street.

Therese Lapentena (O), 728 Carpenter street. D. S. Buro (C), 809 South Eighth street. Cost, \$720. Store and dwelling, 734 Carpenter street.

Estate of Stephen Girard (O), Twelfth and Ranstead streets. R. H. Beaumont (C), 1041 Drexel Building. Cost, \$6375. Power plant, Twentieth street and Oregon avenue.

Philadelphia Wholesale Drug Co. (O), 522 Arch street. R. C. Ballinger (C), 218 North Thirteenth street. Cost, \$2000. Dwelling, 522 Arch street.

A. Kammerman (O), 337 South street. A. Gross (C), 732 South Fifth street. Cost, \$3000. Store and dwelling, 331 South Fifth street.

Friends' Boarding Home (O), Greene street and Washington Lane avenue. W. C. Wright (C), 228 Harvey street. Cost, \$14,185. Home, Greene street and Washington Lane avenue.

Geo. H. McFadden (O), 121 Chestnut street. J. S. Cornell & Son (C), Broad and Chestnut streets. Cost, \$20,000. Residence, Eighteenth and Spruce streets.

J. C. Cookerill (O), 817-19 South Front street. Cost, \$1500. Stable, 39 Queen street.

J. H. Nice (O), Raul and Seller streets. J. E. Mattis (C), 4412 Wingohocking street. Cost, \$500. Dwelling, Raul and Seller streets.

U. G. I. (O), Broad and Arch streets. Cost, \$1000. Shop and office, Ninth and Dudley streets.

Estate Frank P. Mellon (O), Bryn Mawr, Pa. Geo. C. Dougherty (C), 1711 Ranstead street. Cost, \$30,000. Office building, 34 South Seventeenth street.

O. D. Ogden (O), 1604 Columbia avenue. E. C. Durell (C), 1713 North Twenty-fourth street. Cost, \$850. Store.

Mrs. Powers (O), 25 Magazine lane. H. B. Shetzline (C), 2227 South Broad street. Cost, \$660. Stable.

Public Bath Association (O), Germantown avenue and Stiles street. Vulcanite Paving Co. (C), Land Title Building. Cost, \$1700. Bath house.

Quaker City Realty Company (O), 627 Walnut street. Cost, \$7000. (2) dwellings, brick, two stories, 23x35, 581 Washington avenue. \$5200, 2; \$64,000, 20; \$60,000, 24; \$50,000, 20; \$2500, 1; \$2600, 1.

Charles Rosenberg (O), 1126 South Second street. H. D. Prettyman (C), 541 Land Title Building. Cost, \$4500. (1) building, three stories, 18x46, stone and concrete, Second and Federal streets.

A. C. Bauman (O), 3528 Randolph street. H. I. Bexton (C), 3329 North Fifth street. Cost, \$2165. (1) two-story dwelling, 17x49, 3526 Randolph street.

Chas. F. Myers (O), 206 West Washington Square. Chas. Townsend (C), 5512 North Fairhill street. Cost, \$5000. (2) dwellings, 16x45.

Philip Ortlick (O), 1006 West Cumberland street. Otto Malz & Co. (C), 305 West Norris street. Cost, \$650. Dwelling, 1006 Cumberland street.

H. H. Houston Estate (O), Real Estate Trust Building. J. E. Walt (C), 204 East Willow Grove avenue. Cost, \$9000. (1) three-story stone dwelling, 44x43, Springfield and Navahoe streets.

Louis Oxman (O), 506 Pine street. Louis Shpeen (C), 1932 East Mamouth avenue. Cost, \$8400. (4) dwellings, brick, two stories, 16x40, Eighty-second street and Harley avenue.



## Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

\*\*A suitable specification for stucco has been a much-mooted subject and when the Metal Lath Manufacturers of the United States associated themselves for the purpose of working out the problems of the metal lath industry, stucco construction was one of the first things taken up. After over six months of consulting with authorities and conferring with architects, contractors and manufacturers, a typical specification to offer to architects was finally decided upon and this will be distributed among the architects of the country as a composite of the best ideas in the United States on stucco construction. The specification is in convenient form and should be of much assistance to architects and builders in preparing and executing stucco work. Copies of the specification can be received by addressing the Associated Metal Lath Manufacturers, Youngstown, Ohio.

\*\*The Inland Steel Co. announces the appointment of O. P. Blake as Assistant General Manager of Sales, with headquarters at St. Louis, in charge of Southwestern territory. F. R. Meyer, Jr., has been appointed District Sales Manager at St. Louis, and J. B. Sharp District Sales Manager at Kansas City.

\*\*A very enjoyable evening was spent by the Baltimore Sheet Metal Contractors and their friends on Thursday, March 21, 1912, at the Builders' Exchange. President Lenderking introduced National Secretary Seabrook, who gave an interesting talk on the value of organization. Messrs. E. T. Wilkinson and B. F. John, both of Philadelphia, gave talks.

\*\*E. B. Allen has been appointed manager of the New York office of Wadsworth, Howland & Co., manufacturers of "Bay State" cement coating, with headquarters at 156 Fifth avenue, New York. C. J. Hunt, with the New York office as headquarters, will travel extensively for the company as in the past.

\*\*Following the resignation of Mr. Samuel Siddall as vice president and treasurer of the Garry Iron and Steel Company, Niles, Ohio, Mr. J. Charles Wicks, formerly secretary and manager of sales, was made presi-

dent and manager of sales. Mr. George C. Johnson, formerly assistant manager of sales, was made secretary, and H. G. Long, formerly auditor of the company, was made treasurer.

\*\*The second annual exhibition of engineering materials, processes and models is open at the Brooklyn Engineers' Club, No. 117 Remsen street. One of the interesting features of the exhibition this year is the display of work done in Brooklyn by the various city departments. By these exhibits it is intended that the taxpayer may see where his money is spent, how it is spent, the amount of actual work done by the city departments and its cost to the city.

\*\*The port of Liverpool handles nearly one-third of the trade entering and leaving the United Kingdom. The approximate inward and outward tonnage of the port for the year ended July 1, 1911, was 35,207,776 tons, an increase of about 2,000,000 over the previous year. Satisfactory progress was made on the construction of the new 1020-foot dock. This will cost \$2,432,250, and is unique, as a vessel can load and unload in it, and at the same time can be dry-docked. Owing to the shipping prosperity, the dock board is considering the advisability of proceeding with the full scheme of waterfront improvement, of which this dock is a part and which contemplates the expenditure of \$15,573,384.

\*\*During the eleven years from 1901 to 1911 about \$5,100,000,000 worth of new buildings were constructed in the United States. During the same period the total loss from fire, including both buildings and contents, amounted to \$2,484,000,000, or 48.2 per cent. of the value of new buildings constructed. If our fires had been on the same relative basis as is usual throughout Western Europe, our total fire loss over this period would have been reduced to approximately \$300,000,000.

\*\*F. M. Bowman, Secretary; Wayne Rawley, Manager Structural Works, and A. Bo-  
vard, Engineer, of the Riter-Conley Manufacturing Company, of Pittsburgh, Pa., have resigned these positions and are organizing a large manufacturing concern in conjunc-



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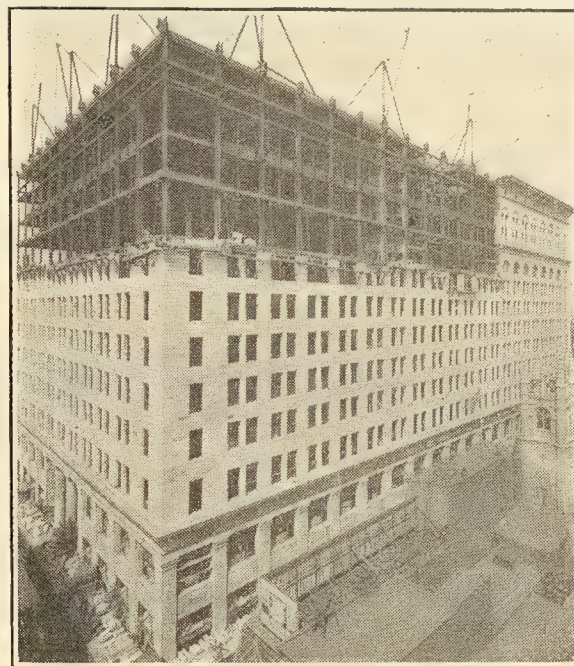
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tion with the Blaw Steel Centering Company.

\*\*It is reported that Samuel Horner, Jr., of Philadelphia, Pa., president of the Kosmos Portland Cement Co., with offices in Louisville, Ky., and plant at Kosmosdale, will dispose of his stockholdings and retire as president some time in May. Local capital, it is understood, will take over this stock and a resident of Louisville will be selected as president. The Kosmos Company has an annual capacity of 400,000 barrels of Kosmos Portland cement and is planning to increase this.

\*\*Mr. Arthur H. Lovejoy, a well-known metal salesman, has associated himself with the C. H. Nelson Metal Company, Baltimore, Md., and will have charge of the Southern territory. The C. H. Nelson Metal Company are manufacturers of and dealers in tin plate, sheet iron, metals, solder, roofing materials, tinnery supplies, etc.

\*\*According to Consul General John F. Jones, of Winnipeg, the industrial exhibition in that city this year will be the largest and most important ever held in Western Canada. It will be opened by the Duke of Connaught on July 10; it will also celebrate

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the centennial anniversary of the coming of Lord Selkirk to Canada.

\*\*A. P. Wilson, formerly with the Reichert Manufacturing Co., of Milwaukee, Wis., has accepted a position with the Blaw Steel Centering Co., of Pittsburgh. His headquarters will be the Chicago office, 917 Ashland Block.

\*\*The Ruggles-Coles Engineering Co., 50 Church street, New York city, and McCormick Building, Chicago, have appointed the London Concrete Machinery Co., London, Ont., as their agents for the sales of the Ruggles-Coles portable dryer and heater for road work.

\*\*A new standard system for the installation of warm air furnaces issued by the Federal Furnace League is now being distributed to architects and heating engineers by the Federal Furnace League. A copy of this book may be obtained by addressing any of the

members of the League: American Furnace Company, St. Louis, Mo.; Beckwith, Estate of P. D., Dowagiac, Mich.; Bibb Stove Co., B. C., Baltimore, Md.; Boynton Furnace Co., New York City; Brien Heater Co., Westfield, Mass.; Buckwalter Stove Company, Royersford, Pa.; Co-operative Foundry Company, Rochester, N. Y.; Cox Stove Co., Abram, Philadelphia, Pa.; Emeny Co., G. J., Fulton, N. Y.; Excelsior Steel Furnace Company, Chicago, Ill.; Floyd-Wells Company, Royersford, Pa.; Fuller-Warren Co., Troy, N. Y.; Galusha Stove Co., Rochester, N. Y.; Globe Stove and Range Company, Kokomo, Ind.; Haynes-Langenberg Manufacturing Company, St. Louis, Mo.; Hood Furnace and Supply Company, Corning, N. Y.; International Heater Company, Utica, N. Y.; Keeley Stove Company, Columbia, Pa.; Meyer Furnace Company, Peoria, Ill.; Monitor Stove and Range Company, Cincinnati, Ohio; Monroe Foundry and Furnace Company, Monroe, Mich.; Moore Bros. Co., Joliet, Ill.; Munson Heater Company, Connellsville, Pa.; Portland Stove Foundry Company, Portland, Me.; Reading Stove Works, Reading, Pa.; Roberts, Winner Company, Quakertown, Pa.; Rock Island Stove Company, Rock Island, Ill.; Sexton Stove and Manufacturing Company, S. B., Baltimore, Md.; Sheppard & Co., I. A., Philadelphia, Pa.; Stamford Foundry Co., Stamford, Conn.; Summit Foundry Company, Geneva, N. Y.; Union Stove Works, New York City; Utica Heater Company, Utica, N. Y.

\*\*The independent manufacturers of sheet and tin plate have lately organized an association and incorporated under the laws of Pennsylvania. The association is the outgrowth of a sentiment recently arising among the independent sheet and tin plate manufacturers that there should be an association of manufacturers engaged in these cognate industries for the collection and distribution of information of use to members of the trade whereby the consumption of their products may be increased and technical and commercial information relative to the products may be given to members. In formulating plans for the formation of the association the subject of price regulation and maintenance has been carefully avoided, it being the universal sentiment among the manufacturers that this general subject should not be entered upon even in the most informal way.

The charter members are: J. E. Carnahan, Carnahan Tin Plate and Sheet Company, Canton, O.; W. A. Thomas, Thomas Steel Company, Niles, O.; John W. Watson, Canonsburg Steel and Iron Works, Canonsburg, Pa.; Wade A. Taylor, Deforest Sheet and Tin Plate Company, Niles, O.; C. F. Niemann, Parkersburg Iron and Steel Company, Parkersburg, W. Va.; C. A. Irwin, Canton Sheet Steel Company, Canton, O.; Joseph B. Andrews, Newport Rolling Mill Company, Newport, Ky.; W. S. Horner, American Rolling Mill Company, Middletown, O.; S. B. L. McVey, Seneca Iron and Steel Company, Buffalo, N. Y.; Samuel Siddall, Empire Iron and Steel Company, Niles, O.; C. T. Swaney, Massillon Rolling Mill Company, Massillon, O.; J. J. O'Connor, Washington Tin Plate Company, Wash-



ington, Pa.; George W. Niedringhaus, National Enameling and Stamping Company, St. Louis, Mo.; W. Lagenbach, Stark Rolling Mill Company, Canton, O.; R. D. Campbell, Allegheny Steel Company, Brackenridge, Pa.

The officers of the association are: W. S. Horner, president; W. A. Thomas, vice-president; R. D. Campbell, treasurer and secretary. The secretary, as far as known, has not yet been appointed. Headquarters of the association will be located at Pittsburgh.

\*\*Mr. D. D. Kimball, an engineer of note and a member of the New York Chapter of the American Society of Heating and Ventilating Engineers, delivered a free lecture at the Harlem Y. M. C. A., 5 West One Hundred and Twenty-fifth street, on Thursday evening, April 11th. This lecture is part of a campaign of publicity which is being waged by the New York Chapter to secure better ventilation in factories.

enough for people to live in, and this means that there are certain minimum sizes for garden features. A path, for instance, should be wide enough for two people to walk abreast. Five feet is a good width, and four feet is a minimum. Gates must be at least four feet wide, to admit a wheelbarrow; seats should be fourteen inches from the ground; pergolas at least seven feet high, and walls should be at least thirty inches. Flower beds should be six feet wide or more if they are to be used for perennials.

The greatest charm of the small garden is its arrangement; the materials of which it is made or the flowers with which it is planted make comparatively little difference. One could imagine a beautiful garden planted with nothing but scarlet sage. In fact, its effectiveness as a design is likely to be greater as the planting is simpler.—Charles Downing Lay in "Arts and Decoration."

\* \* \*

The Architectural League of America announces that for the year 1912-13, four scholarships are available—three in Harvard University and one in Washington University, St. Louis. These scholarships entitle their holders to free tuition for one year, the cost of such tuition being \$150.

Programs will be given out on May 11th at 9 A. M. at a place in each city designated by the officers of the League Committee on University Fellowships, in the case of individual members of the League.

For further details concerning preliminary sketch and final drawings, also qualifications of candidates and other matters pertaining to these university scholarships, address Albert E. Skeel, chairman, Rose Building, Cleveland, Ohio.

\* \* \*

The Indiana Chapter will hold its third annual exhibit at the John Herron Art Institute, Indianapolis, from May 10th to 31st, inclusive. The exhibit will then be transferred to South Bend, Ind., for a period of two weeks. The exhibit this year promises to be the most successful ever held, embracing over four hundred subjects, among which are works of noted architects in Eastern cities, as well as Central West. For the first time in its history this Chapter will publish an illustrated catalogue, embracing pictures of the best exhibits.

The exhibit is under the direction of the following committee: Ernest W. Young, South Bend, Ind.; Henry H. Dupont, Indianapolis; Wilson B. Parker, chairman of Committee and Year Book, Indianapolis.

\* \* \*

Because Governor Wilson did not recognize the recommendations of the New Jersey Chapter of the American Institute of Architects in his appointment of four members of the New Jersey State Board of Architects, the institute has forwarded to the Chief Executive a set of resolutions condemning his action. The resolutions were adopted at a recent meeting of the Chap-

(Continued on page 314.)

## Architectural Notes.

A certain estimable young lady whose appreciation of a good picture exceeded her knowledge of how they were born in the mind of the artist and his method of placing his impressions on the canvas once asked George Inness, the landscape painter, "How do you do it, how do you mix your colors, and how do you handle your brushes?" To which Inness replied in that kindly but preoccupied manner that was usual to him: "It's all very easy. You take some red, some yellow and some blue, a little white, put them on your palette. Then you take a nice clean canvas and you pick up with your brush just the right color and put it on the canvas in just the right place and in just the right way, and—there you are." Meanwhile, Inness with that rapidity of action that characterized his work and that certainty that marked the master was building up a sketch that was a beautiful and complete bit of suggestiveness.

And that is the way genius works and accomplishes those results that proclaim him. And when the wonderful faculty of creation and origination is present, the man works on, each subject in hand a separate idea, not noticeably influenced as to repetition by what has preceded it. A certain style or technique by which we identify the work, a certain deft method of handling color and material is ever present, but each work is by itself a complete and harmonious whole which in no way suggests duplication of motive or repetition of form.—American Architect.

\* \* \*

The sense of proportion in masses comes into music just as it does into architecture. When Beethoven wrote the third of the four experimental overtures to his one opera—that now known as Leonora No. 3, which is quite the finest of the four—his friends told him it was too large in scale for the opera, which is only a two-act one. They were quite right, and he admitted it by writing the fourth and lighter one. The other one would have been like an entrance lodge that is too large and pretentious for the house. This sense of proportion of parts runs through all the works of the great composers; Mozart's and Beethoven's symphonies are models of the subordina-

tion of detail to the leading idea. There is a curious parallel, too, between the two arts, in the method of leaving off. Every composition ends with what is called the common chord of the key it is written in; that is, the most harmonious combinations of keynote, third, fifth and octave; but a big composition is never snapped short off with one sounding of the chord; it has to be repeated several times, sometimes many times, to make an adequate stop. Just so we dominate an important building by a strong horizontal cornice, to cut across the lines of composition and make a decisive finish. And you will find lighter compositions, like Chopin's waltzes and some of Mendelssohn's Songs without Words end with a rippling flourish running up to finish on a high note, like a pretty summer-house that ends in a spirelet or a pinnacle.

Both music and architecture can express character, which is a lighter element than beauty or grandeur; character sometimes arises as much from what is left out as from what is there. The difference between the two is that music can express or symbolize human character and events; architecture can only express artistic character. A good example of characteristic music is the symbolizing of the village merrymaking in Beethoven's "Pastoral Symphony," with the rough dance tune and the bassoon player who can only play two notes. It is just like one of Teniers's pictures of boors dancing; but it is not the best part of the work in a musical sense.

Whether in music or architecture, if you want character, which is a half-playful quality, you have to give up something of the higher elements of the arts.—Extract from an address by H. H. Statham, F. R. F. B. A., before the Manchester, England, Society of Architects.

\* \* \*

The artistic charm of a garden depends very little on its size. The large garden contains more plants and more pleasant features than a small one, but considered as a design, it is not helped at all by being large. The difficulty of designing a garden seems, indeed, to be increased as its size is diminished.

Unless it is to be a toy, it must be large



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PHILADELPHIA, PA., MAY 8, 1912.

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# Editorial Comment

An article on "The Country House in America," in the pages of "The American Architect," discussing the old, old complaint, that American architects misuse certain materials, comes so close to expressing the popular as well as the professional point of view with reference to this particular criticism that we are moved to reprint it in part for the benefit of "The Guide's" own clientele. Following a shrewdly reasoned consideration of the conditions which operate to prevent such an evolution as a "national type" in American architecture—conditions issuing out of climatic peculiarities, the factor of local adaptability, sectional predisposition to certain types and materials and the always potential doctrine of natural bent due to the composite character of our American population—the writer goes on to say:

"Yet, in spite of all these handicaps domestic architecture in America has so far advanced that we are almost if not fully abreast with that of any other country of the world. The planning and design of country houses, particularly those of more pretentious size and appointments, has fortunately attracted the attention of many men who stand well to the fore in their profession as architects, and who are also noted for their scholarly attainments and their qualities of good citizenship. Naturally the design and plan of the country house in hands like these becomes something more than a meaningless placing together of materials and the result and assembling of rooms haphazard on a certain site.

"To men of this class who know and appreciate our ideals, who take part in those functions of social and political activity that are so large a part of our national life, the country house becomes something typical of all our characteristics and takes on dignity and repose. Perhaps the fundamental quality of domestic architecture can be all summed up in one word repose. It is the essential quality that transforms the 'house' into the 'home.'

\* \* \*

"Perhaps the most usual criticism of our domestic architecture by critics abroad has been directed against our use of materials. Certain of them who apparently regard the verities of architectural expression in materials of even greater importance than design, have taken us to task for what has been described as 'dishonest use of materials.' That the stucco house is not built of solid concrete walls, but is simply a shell with a cement veneer; that our half-timbered houses are in no sense half timber and that even our so-called brick houses have an inner structure in many cases of studding and lath, with only a brick veneer. It is difficult to refute such criticism as the evidences of our architectural misrepresentations in the use of materials con-

stantly multiply. And, it is doubtful if it is worth while to attempt a refutation. Based on rigid ideas of indestructibility, the use of material in certain ways may be reprehensible, but its use as an aesthetic expression is perhaps to be commended, and we are led to inquire if the effect is not of sufficient importance to justify the means that have been taken to produce it?

"Our museums are full of plaster casts of masterpieces of sculpture. We do not care if the interior of these casts are a mass of wood and wire. They proclaim their beauty almost as well as the marble originals. Some masterpieces of painting are on canvas, some on wood and others as mural decorations on the stuccoed walls of buildings. As long as they withstand time and stress of temperature and exposure to weather, we do not seek to know what is below the surface.

"If we get a sufficiently staunch and well built house with walls of hollow tile and covering of cement at a lower cost than it could be secured of monolithic concrete, are we not justified in building that way?

"We have in the architectural profession, as in every other, extremists who proclaim from the housetops the purity of their purposes and the honesty of their intentions, but we sometimes doubt the wisdom of attempting the practice of architecture in too strict conformity with the lines these purists seek to dictate, if we are concerned with progress and the development of art in this country. The progress we have made, not only in the development of the country house large and small, but in other directions as well, is probably due largely to our ability and willingness to accept every limitation imposed upon us, be it cost, material or time, and thus make the most of existing conditions at all times."

"The Guide" has long believed that this claim of English superiority in the field of domestic architecture has been more fancied than real, for however much one may admire the picturesque quality in much that is best in contemporary English work, one can hardly fail to perceive that in the majority of instances it is a picturesqueness achieved at the cost of an expensive sacrifice of more solid considerations. Viewed by and large, with an eye to utilitarian not less than pictorial attractiveness, the American country house of the present day can hold its own with anything of the kind in the world. Judged by the "livable" quality, the adaptability it presents to every consideration which makes for comfortable living under the highest modern ideals, it is so far ahead of the best efforts of the best home-planners abroad as to occupy, virtually, a class apart—a certain class of artistic anglophobes to the contrary notwithstanding.

Evidences are accumulating to favor the



view that the brick interests of the country are about to wake up, or if not to wake up to at least show signs of a disposition to move about and otherwise betray indications of recurring consciousness. More than a year ago "The Guide" went out of its way to warn the brick men of the folly of permitting the cement interests to continue to undermine the field in which brick had so long reigned omnipotent as a structural material. We pointed out then the dangerous inroads cement and concrete were making, due to the more enterprising methods of the men behind these materials and sounded what we felt to be a timely warning to the brick men to either get busy and meet the younger material on its own ground or to sleep on and awake some day and like an industrial Rip Van Winkle, find brick a thing of the past. Brick men are now feeling the inroads of the cement interests to an extent which is causing them to sit up and ask what is necessary to be done in order to regain some of the prestige lost during brick's period of Rip Van Winkleism. The United States statistics for 1910, for example, show some interesting figures. They show, among other things, that with an output of about one billion face and enamel brick, with an approximate value of ten million dollars, and ten billion common brick, with an approximate value of sixty million dollars, the brick men have expended a trifle over one-tenth of one cent per thousand brick in advertising. They show, also, a decrease of approximately one million and a quarter dollars in the output of face brick and two million dollars in the output of common brick, figures which are expected to be worse, if anything, when the statistics come to be made up for 1911. How the brick men stand in the matter of advertising is shown by a comparison made in an address by President Ineisses, of the Building Brick Association of America, at the recent convention of this body in which he contrasted the attitude of the brick interests to the question of publicity, with that of the Laundrymen's Association. The Laundrymen's Association consists of about 2,000 laundries. With \$30.00 invested in brick to every one dollar in laundries, President Queisses shows that the brick men spend less than ten cents to the laundryman's dollar in advertising. Rather high time for the brick men to get awake, don't you think? We think so.

\* \* \*

Among the features of "House and Garden," for May, is a deftly illustrated description of "Crankslea," the home of Mr. Lawrence Visseher Boyd, at Germantown. The paper is one of a series "House and Garden" is running under the title, "Homes That Architects Have Built for Themselves." One is not surprised to find that Mr. Boyd, who has designed and planned many of the notably charming country houses for which Philadelphia's suburbs are famed, has reared for himself a most attractive and thoroughly home-like habitation.

"It was no easy task that Mr. Boyd set

himself," says the author. "He was anxious not to overcrowd the house with the architect's failing, 'Too much architecture,' and yet he had several pet theories that he wanted to introduce. In speaking of his home, he remarked, 'My home was designed along very simple lines, following somewhat the modern German influence. I knew that time, planting and living in the house would bring about the quality that had been so much admired in our old, simple farmhouses of the better class. I wished to attain the feeling the Germans call "gemutlich," to feel at liberty to place on the exterior walls any cast or piece of faience that I especially admired. Therefore, while the house was being built, I tried the experiment of placing in the plaster of the front exterior, a beautiful Greek cast of Achilles' mother blessing her son before he went to battle. This proved successful and I allowed it to remain permanently, thus lending additional interest to the wall surface. A large cherry tree directed my imagination to its decorative uses, with the result that it now supports an arbor and forms a picturesque end to the rear balcony. When in bloom, we are completely surrounded above and on all sides with the fragrant snowy blossoms.'"

It is precisely the ability here outlined to conceive the "home" atmosphere which, to be successful, such a house must express and evoke, that has made the work of Philadelphia architects in a measure sui generis. The dominating note in the Boyd house is the "home" feeling. En passant, what a world of wisdom there is in Mr. Boyd's remark concerning his anxiety to avoid "too much architecture!"

\* \* \*

The influence which good public building exerts upon the raw immigrant has seldom been so clearly and intelligently expressed as in a recent interview had by a newspaper correspondent with Mr. James Knox Taylor, supervising architect of the Treasury Department, Washington, D. C.

"Doesn't the expense of maintaining a building together with the interest on its cost make Uncle Sam's rent bill pretty large?" asked the correspondent.

"Unquestionably," replied Mr. Taylor. "As a business proposition simply, no public building pays. By way of illustration, let me give you a little arithmetic concerning a suppositional town that has a post office costing \$50,000. The interest on that sum of money at 2 per cent., the government rate, would amount to \$1,000 annually. Light, heat, water, repair and janitor service would be from \$1,500 to \$2,000. At the lowest reasonable estimate the building would cost the government \$2,500 a year. Ordinarily a store room large enough and good enough in every way for the post office could be rented for \$800. But you must recollect that a public building is not a business enterprise, no matter if it is located in a small city or in Washington and is used as a meeting place for Congress or a residence for the President. Public buildings

are speaking witnesses of the power, dignity and greatness of the country. There are 90,000,000 Americans. Not more than one in every hundred of our people ever get to see the city of Washington. The 90 who stay at home, I venture to say, have only a hazy notion of the authority, solidarity and wealth of their own government.

"To them the government in Washington is far away, intangible and even mysterious. It is brought to their very doors, however, when a public building is located in their vicinity. They see its substantialness, and likewise they see the American flag waving daily from its staff in the breeze. The building, well-kept, solidly built and impressive becomes to them a centre of national government. They pay taxes, they will never get to Washington, as I have said, and the building is the only visible return they will ever receive for the money taken away from them for national purposes. Then we should remember that there are millions of foreigners in the United States. They had come from countries where government is constantly observable and where makes itself felt to the humblest citizen. They were accustomed to public buildings at home and to officials in uniform, with gold braid on their caps. Coming here and settling in or near a Western town, they find the United States attorney in a shabby room over a butcher shop, the United States Marshal above a dry goods store and the postmaster between a saloon and an undertaking establishment. 'This is a h—l of a country,' they say to themselves in their own tongue. The government is scattered and meanly housed and the immigrant concludes that the national capital must be cheap, unclean, weak and poor. But if the same immigrant sees a public building in the town, he has chosen for his home and the Stars and Stripes fluttering in the Western wind, he has respect and not contempt for his new allegiance and that is what is needed in this republic—respect for law and for lawmakers, respect for court and judges, and respect for all rightful authority, including the parents of our own children. Hence we must not regard public buildings as business investments. On the contrary, they are moral influences, teaching patriotism which is pride as well as love of one's country and exemplifying the strength—and you notice that I put a shade of emphasis on that word—and the dignity of our national government!"

### THERE'S ONLY ONE WAY.

A man may guy,  
And a man may lie,  
And a man may puff and blow;  
But he can't get trade by sitting in the shade,  
Waiting for business to grow.

Are you aware that "The Guide" prints every week more real, live, readable, up-to-the-minute stuff about architecture and building than any two of its more pretentious contemporaries? Fact, just the same. Compare 'em and see.



## Spring House Cleaning

House cleaning time is a bore and a nuisance—it wouldn't be if houses were wired and equipped for the use of Electric Vacuum Cleaners and Electrical household appliances. Builders in wiring their houses should see to it that baseboard sockets are provided in every apartment. The cost is next to nothing at the time and is a constant source of comfort during the life of the property.



## RUUD Automatic Gas Water Heaters

The Novelty of Yesterday  
The Necessity of To-Day

## HILL-CANTON Clothes Drying Cabinets

The Only Dryer that **Ventilates**  
and is Guaranteed Not to Turn  
Clothes Yellow.

LOW IN PRICE  
ECONOMICAL IN OPERATION

## BARTLETT & CO., Inc.

1938 Market St., Philadelphia  
MAKERS OF FURNACES AND  
RANGES SINCE 1843

### NUMBER OF LOTS TO THE ACRE.

There are 17.42 lots (25x100) and 21.78 lots (20x100) to an acre, which are reduced to 12½ and 16, respectively, by putting in streets of the usual width and distance apart.

### ARCHITECTURAL NOTES.

(Continued from page 311.)

ter held in Newark. The resolutions conclude with the following:

"Resolved, Therefore, that the action of his Excellency, Woodrow Wilson, be condemned as an example of arbitrary action with respect to appointments without consulting with persons most affected and most interested in the subject matter, and induced by motives other than that of selecting the persons best qualified for the position."

The State Board of Architects serves without pay.

\* \* \*

The executive committee of the National Conference on City Planning, which will meet in Boston from May 27 to 29, inclusive, announces that at that time the following subjects will be discussed: "The Progress of City Planning," "How to Finance City Planning," "Studies in the Planning of Specific Areas," "The German Principle of 'Zones' or Differentiated Building Districts Applied to the United States" and "Some Aspect of the Transit Problem."

This new architectural publication appeared for the first time in March, its purpose being to present in easily accessible form illustrations of important work done by the students in the architectural course at Harvard. The text consists of contributions by

members of the teaching staff, and graduates, and the paper will also provide a medium for the publication of special lectures which will be delivered at the school. In the first number there is an article on "Architectural Acoustics," by Professor W. C. Sabine, and an essay on "The Medieval Town Halls of Italy," by H. E. Warren.

\* \* \*

The seventh annual exhibition of the Pittsburgh Architectural Club was as particularly notable for its good arrangement as for its exhibits. There were about 600 drawings and photographs on exhibition, as well as examples of decoration as it enters into architecture, mural painting, stained glass, cabinet work, interior decoration, etc. Mr. Henry Hornbostle exhibited some large pencil drawings of the New York East River bridges. The original drawings for the competition for the general plan of the Northwestern University and some of those now under way for the University of Pittsburgh and the Carnegie Technical Schools were also shown. Dwelling house architecture was represented by many exhibits. The four prize-winning designs for the Perry Memorial monument to be erected at Put-In Bay on Lake Erie attracted considerable attention. Exhibitions of students' work from the principal architectural schools of the country were also a feature.

## FRENCH ART IN AMERICA

A New Association Under Way, Which, by Special Arrangement, Purposes to Show the Masterpieces of French Art in the Principal American Cities.

Thanks to the initiative of a small group of art lovers of New York, Baltimore and other Eastern cities of the United States, it will no longer be necessary to cross the ocean in order to view at close range the art treasures preserved in the Louvre, the Gobelins, the National Porcelain Manufactory at Sèvres, or the Cluny, Carnavalet, Luxembourg and other museums of Paris, Lyons, Versailles, Fontainebleau, Tours and other French centres of art.

By an arrangement just concluded between the French government and the officers of a new association just created and known as the French Institute and Museum of New York, according to "Arts and Decorations," selected exhibits forming part of the collections of those famous museums are to be temporarily withdrawn from public display in France and shown here.

The association, which boasts the patronage of the Secretary of State of the United States, the American Ambassador to France and the French Ambassador to the United States, numbers among its French sponsors the Minister of Foreign Affairs, the Minister of Fine Arts and Public Instruction, the Under-Secretary of State, the Directors of the Louvre, Luxembourg, Beaux-Arts, Arts-Decorative, Versailles and all the national

museums; four of the Immortals, namely, Paul Deschane, Gabriel Hanotaux, Ernest Lavis, Raymond Poincaré and a score of other eminent personalities, among them Rodin, the sculptor; Leon Bourgeois, Couyba, De Selves, all three former Cabinet members; Boutroux, Homolle, Leroy-Beaulieu, Liard, Croiset, Cormon, Diehl, Pascal, Esmein, Jullian, Levasseur, Perrier, Reinach, all members of the Institut de France; Bayet and Bapst, Councillors of State; Marcel Poete, Curator of the Library of the city of Paris; Gaston Deschamps, etc.

While this distinguished elite of French art and letters concerns itself with gathering exhibition pieces, casts, photographs, moldings, lantern slides, books, etc., for display in the New York Museum, the American members of the association will assume the responsibility of installing and properly and advantageously showing the loaned objects, the purpose of the association being to spread the knowledge of French art throughout the United States and to familiarize Americans with its application to everyday uses, as in woodwork, bronzes, statuary, furniture, tapestries, porcelains, paintings, etc.

In compliance with this program the association proposes not only to hold loan ex-



hibits, but to import lecturers from France, who will describe the exhibits and point out what moral is to be derived therefrom. Cooperation by wealthy American collectors will be invited, so that when, for instance, the Carnavalet's collection of Napoleonic relics is put on exhibition in the association's museum in New York, curios forming part of American collections will be shown in connection with them.

The aim of the association is not only to erect and maintain a permanent museum and reference library in New York, but to establish branches in Boston, Pittsburgh, Chicago, San Francisco, Baltimore, Washington, Philadelphia and other cities, where the objects loaned by the French government, together with other objects of similar character, locally owned, would be shown in turn.

The membership of the association will be recruited from among American artists and architects having had their schooling in France, from among artisans and craftsmen anxious to absorb and apply the French tradition in art and from among amateurs and collectors inclining toward French art in their liking.

The museum will derive no income from admission fees, as its exhibitions are to be free to the general public. It will defray its expenses from a fund created by donations and membership dues. Endowing members contributing \$5000 are to be given the title of benefactors. Those contributing \$1000 will be known as founders, while the life members will be expected to donate \$100.

Although organized only a few weeks, the association has already planned to hold an exhibition of seventeenth-, eighteenth- and nineteenth-century prints showing various aspects of Paris from the time of Francois I to the days of the Third Napoleon. This exhibit, which comprises some five hundred prints, etchings and engravings, is from the Louvre, Musee Carnavalet and the private collection of Mons. George Hartmann. It will be shown in the rooms of the Sculpture Society in West Fifty-seventh street, beginning April 22d. At a later period it is planned to hold an exhibition of Napoleonic relics and another of Gobelin tapestries.

The chairman of the Board of Trustees of the Museum of French Art in New York, Mr. McDougall Hawkes, will himself visit Paris this spring and superintend the gathering of the elements which are to enter into these two later exhibits. It is hoped that not only will pieces in the keeping of the government be secured, but also objects belonging to private collectors in France.

Chief among Mr. Hawkes's supporters in the movement to make the museum here a success are Leroy White, Otto Kahn, J. W. Alexander, Archer Huntington, Edward Tuck, Thomas Hastings, J. Freedlander, Perry Belmont, W. Francklyn Paris, James Stillman, Whitney Warren, Dr. G. F. Kunz, Lloyd Warren, T. Tieson Wells, William B. Osgood Field and President Finley.

Although the list of trustees and officers has not been made public, it is known that the presidents of such organizations as the Beaux Arts Society, National Academy, Sculpture Society, Architectural League, Cooper Union, American Institute of Architects, Pennsylvania Academy, Pittsburgh Institute and the curators of the Metropolitan Museum of Art, Boston Museum, Corcoran Gallery, of Washington, and similar institutions will be made honorary vice-presidents.

As yet no attempt has been made to enlist the interest of such art lovers as J. Pierpont Morgan, Henry C. Frick, Andrew Carnegie, Levi P. Morton, T. E. H. Curtis, of Plainfield; Benjamin Altman, Harold McCormick, of Chicago; Rodman Wanamaker and other wealthy patrons of the arts, but it is safe to assume that all these will promptly identify themselves with the movement.

Are you a regular subscriber to "The Guide"?

## New Ideas, Materials and Devices

Innovations in Material and Equipment That Merit the Interest of Architect and Building Owner—A Running Resume of Novelties More or Less Recent.

### THE PULLMAN VENTILATOR.

The Pullman Automatic Ventilator Manufacturing Company reports a large demand for its new type of swinging top chimney cap, made under patent rights secured from the inventor, John M. Cromley, the engineer of the company. This cap has been designed with the idea of supplying something cheap, and at the same time efficient, which may be kept in stock by tinnerns and roofers. The cap is made in 6-inch, 7-inch and 8-inch sizes, and is put up in crates of not less than half a dozen, either in one size or assorted sizes. The ventilator is made of galvanized iron and has a brass ball bearing which will not corrode, causing positive action of the ventilator at all times. The manufacturers have preserved their open type in the new design, the cap closing against the wind; the same principle applying as in the company's automatic window ventilator. Full information may be had by applying at the factory, at York, Pa.

### "TOCKOLITH" AND "R. I. W." PAINTS.

"Tockolith" and "R. I. W." paints, made by Toch Brothers, 320 Fifth avenue, New York city, are offered as positive protection for steel work of bridges and buildings against electrolysis, alkalines, acids, moisture, climatic conditions and all rust-producing agencies. The steel work of the Penn-

### THE HAZARD OF THE MOVING-PICTURE FILM.

City officials in Philadelphia have demonstrated by actual experiments the highly inflammable nature of moving-picture films, which, it was shown, would explode or burst into flame when exposed to a temperature of about 300 degrees. An overheated steam pipe, it was claimed, would be sufficient for such purpose.

Overheating of films from steam pipes was the cause which was suggested for the fire which occurred on January 13 in Philadelphia, causing a \$100,000 damage to a moving-picture film plant and theatre. The experiments referred to above were conducted in the office of Fire Marshal Lattimer at City Hall by William McDevitt, chief inspector for the Philadelphia Fire Underwriters' Association; Assistant Director Murphy, of the Department of Public Safety; Chief Fire Inspector Baxter, Harry Schwable, manager of the General Film Company in whose building the fire started, and other film manufacturers.

sylvania Railroad Station, New York, was protected by 60,000 gallons of "Tockolith," "R. I. W." and "Liquid Konkerit." The steel frame of the Metropolitan Building (700 feet high—50 stories), was treated with "Tockolith" and "R. I. W." paints, and the Woolworth Building, also New York (750 feet high—55 stories), was coated with "R. I. W." paints. Full particulars will be furnished on application to the company.

### NATIONAL COATING.

The corrosion of pipe, conduit and other iron or steel materials at points where they are exposed to moisture or electrolysis is a matter that has given considerable trouble to those responsible for the maintenance of such installations. The life of underground pipe is a very uncertain quantity, unless some adequate protection is furnished. National Coating is a system of protection which has been applied to pipes ranging in size from 3 to 18.5 inches in outside diameter, and preparations are being made to extend it to all sizes.

The National Tube Company, Pittsburgh, Pa., will send literature on this subject on request to parties interested.

The darkest hour in any man's life is when he sits down to plan how to get money without earning it.—Horace Greely.



## Proposals

### Bonds. Improvements. Equipment.

As the Home Office and Headquarters of the Most Important Financial, Railroad, Engineering, Structural, Manufacturing and Equipment Firms in the United States, Pennsylvania offers a Particularly Rich and Productive Field for "Proposal" advertising. "The Builders' Guide" is the Only Medium in this Field.

### SEALED PROPOSALS

TREASURY DEPARTMENT, OFFICE of the Supervising Architect, Washington, D. C., April 22, 1912.—Sealed proposals will be received at this office until 3 o'clock P. M., on the 17th day of May, 1912, and then opened, for a hydraulic elevator plant, etc., in the United States post office at St. Louis, Mo., in accordance with the drawing and specification, copies of which may be obtained at this office, or at the office of the superintendent, St. Louis, Mo., at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect.

### RECENT TRADE LITERATURE.

Concrete Garden Furniture is described and illustrated in a well-printed catalogue published by the Erkins Studios, 227 Lexington avenue, New York. The work of these studios has long been recognized as among the most artistic produced in this country and all interested in this subject should write for a copy of the catalogue referred to.

\* \* \*

Valuable suggestions to architects and builders on the use of the expanded metal in stucco and general concrete work, is attained in a booklet just issued by the North Western Expanded Metal Company of 37 Van Buren street, Chicago, Ill. The book is illustrated and shows tests of the strength of expanded metal in building installations.

\* \* \*

The Cummings system of concrete reinforcement is described fully in a booklet just issued by the Electric Welding Company of Pittsburgh, Pa. The book is instruction pieces. Copies may be obtained by addressing the Electric Welding Company, Pittsburgh, Pa.

\* \* \*

"The Lehigh" for March appears in its wonted attractive garb and presents to those interested in the varied uses of cement much information that will be found of value. The illustrations and descriptions of the Galveston causeway, a notable engineering feat, which ranks well to the front with other record concrete work now in progress, will be found both entertaining and instructive. In this immense reinforced concrete viaduct 120,000 barrels of Lehigh Portland Cement will be used. Copies can be had from the Lehigh Portland Cement Co., People's Gas Building, Chicago, Ill.

\* \* \*

The Milwaukee Concrete Mixer & Machinery Co., 955-965 Thirtieth street, Mil-

waukee, Wis., are sending out a most attractive folder heralding the fact that they have received an order for 13 Milwaukee Concrete Mixers from the Cleary-White Construction Co., Chicago, Ill. They also have a letter from the president of the above company stating that this order was placed after two months spent in investigating other mixers on the market.

### SPACE FOR A SMILE.

"I let my house furnished, and they've had measles there. Of course, we've had the place disinfected; so I suppose it's quite safe. What do you think?" "I fancy it would be all right, dear; but I think, perhaps, it would be safer to lend it to a friend first."—Punch.

\* \* \*

Mark Twain was visiting H. H. Rogers, who, leading the humorist to his library, said, as he pointed to a bust of white marble: "What do you think of that?"

It was a bust of a young woman coiling her hair, a very graceful example of modern Italian sculpture. Mr. Clemens looked at it a moment and then he said:

"It isn't true to nature."

"Why not?" Mr. Rogers asked.

"She ought to have her mouth full of hairpins," said the humorist.—National Monthly.

\* \* \*

"What are you smiling about?" asked Noah.

"I was just thinking," replied Japhet, "how lucky it was we could go ahead and build this ark without waiting for an appropriation from Congress."—Washington Star.

\* \* \*

Old Lady (to new arrival at Riviera Hotel)—"And are you here for tennis or golf?" Newcomer—"Neither—bronchitis."—Puck.

\* \* \*

"Is your chauffeur an expert?"

"Yes, indeed," replied Mr. Chuggins. "He can explain in a most interesting way exactly why the car isn't running most of the time."—Washington Star.

### MORE OR LESS PERSONAL.

Mr. H. L. Reinhold, architect, announces the removal of his offices from Tenth and Sansom streets to 1309 Walnut street, Philadelphia.

\* \* \*

Mr. William Savery Evans, architect, has removed his offices from 506 Equitable Building, Wilmington, Del., to 1202 Washington street, in that city, where he will be pleased to receive manufacturers' catalogues, samples, etc.

### REAL ESTATE TRANSFERS.

Summary for week ending May 4, 1912.

Number of transfers .....	679
Amount of transfers .....	\$2,212,163.86
Cash consideration .....	700,405.86
Mortgage consideration .....	1,511,758.00
Ground rent consideration .....	1,537.00
Which on a 6 per cent. basis amounts to .....	25,616.68

## Alterations and Additions

David Crosby (O), 1924 North Nineteenth street. H. L. Gereke (C), 3532 Princeton avenue. Cost, \$1900. (1) dwelling, brick, two stories, 16x40, 7032 Hegerman street.

Powers, Weightman & Rosengarten Co. (O), Ninth and Parrish streets. Cost, \$200. Manufacturing building, one story, 57x29,

Faldman & Hurwitz (O), 927 North Sixth street. Bakst & Cohen (C), 968 North Seventh street. Cost, \$2,800. Store building, 312 Master street. Cost, \$1,000. Store building, 314 Master street.

Percy Legge (O), Fifty-second street and City Line. W. W. BBennum (C), 3932 Aspen street. Cost, \$3,500. Dwelling, Fifty-second street and City Line.

J. Beifeld (O), Orkney street. C. Feldman (C), 426 Dickinson street. Cost, \$1,500. Store, 2121 South Seventh street.

A. Young (O), 4814 East Thompson street. L. Ahlers (C), 4433 Salmon street. Cost, \$1,000. Dwelling.

G. D. Denneker (O), 3348 Germantown avenue. Cost, \$1,500. Dwelling and saloon.

A. Frantz (O), 1229 North Front street. T. McFadden (C), 1222 East Palmer street. Cost, \$1,000. Dwelling.

T. W. Schmidt (O), 4637 Thompson street. F. Bukelbach (C), 4608 Richmond street. Cost, \$500. Dwelling.

Mrs. H. White (O), 18 East Chestnut avenue. J. Spear & Co. (C), 1014 Market street. Cost, \$550. Dwelling.

E. O'Neill (O), 4225 Frankford avenue. Thomas Summerfield (C), 4773 Worth street. Cost, \$950. Garage, 4232 Salem street.

Emma Ruthstein (O), 2220 Trenton avenue. Phillips & Leister (C), 1808 Harrison street. Cost, \$575. Dwelling, Frankford avenue and Dauphin street.

Cohen & Belfield (O), 335 Snyder avenue. Gilman & Chofin (C), 706 Hoffman street. Cost, \$7,000. Store and dwelling, 2003-11 South Seventh street.

The finest automobile will not run when the tank is empty, and the finest space can not pull unless it is filled with copy that grips interest.—"Printer's Ink."

When you want to find the address of the nan who "doesn't believe in advertising," don't look up a directory. Just ask the sheriff.

Don't fail to read "New Ideas, Materials and Devices."

## PATENTS

promptly obtained OR NO FEE. Trade-Marks, Caveats, Copyrights and Labels registered. **TWENTY YEARS' PRACTICE.** Highest references. Send model, sketch or photo. for free report on patentability. All business confidential. **HAND-BOOK FREE.** Explains everything. Tells How to Obtain and Sell Patents, What Inventions Will Pay, How to Get a Partner, explains best mechanical movements, and contains 300 or more subjects of importance to inventors. Address,

**H. B. WILLSON & CO.** Patent Attorneys  
Box 500 Willson Bldg. WASHINGTON, D. C.

Mention "The Builders' Guide."



# Reference Directory for Architects, Builders and Owners

## Artists' and Architects' Supplies.

F. Weber & Co., 1125 Chestnut st., Phila.

## Architectural Iron and Metal Work.

John L. Gaumer Co.,  
22d and Wood sts., Phila.

## Awnings

Bernard McCurdy,  
N. E. Cor. 9th and Arch sts., Phila.

## Brick (Face, Etc.)

United Brick and Clay Products Co.,  
Morris Bldg., Phila.  
O. W. Ketcham, Builders' Exchange, Phila.

## Brick Renovating.

Adolph Christensen,  
1433 Brown st., Phila.

## Bank and Office Fixtures.

Stephen F. Ketran, 312 S. 24th st., Phila.

## Blue Prints

Blue Print Co., 1516 Chestnut Street, Phila.

## Boilers and Stacks.

Lindemann Engineering Co.,  
Drexel Bldg., Phila.

## Brass and Bronze Work.

John L. Gaumer Co.,  
22d and Wood sts., Phila.

## Builders.

Pomeroy Const. Co., 1609 Ranstead st., Phila.

## Builders' and Contractors' Machinery.

Henry T. Peirce, Bulletin Bldg., Phila.

## Cabinet Work.

Stephen F. Ketran, 312 S. 24th st., Phila.

## Cement.

Samuel H. French & Co.,  
4th and Callowhill sts., Phila.  
Chas. Warner Co., Land Title Bldg., Phila.  
Knickerbocker Lime Co.,  
266 N. 24th St., Phila.

## Cement and Asphalt Paving.

Wm. Krause, 1621 N. 5th St., Phila.

## Cement Colors.

Samuel H. French & Co.,  
4th and Callowhill sts., Phila.

## Cold Water Painting.

William B. Southern,  
N. W. Cor. 12th and Spruce sts., Phila.

## Concrete Engineer.

Albertson F. Knipe,  
1737 Filbert st., Phila.

## Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,  
10th and Chestnut Sts.

## Elevator (Lubricators.)

American Engr. & Mfg. Co.,  
Real Estate Trust Bldg., Phila.

## Engraving, Photo and Line.

Chestnut Street Engraving Co.,  
7th and Chestnut sts., Phila.

## Fire Protection Equipment.

Jas. Boyd & Bros.,  
25th and Wharton sts., Phila.

## Flag Poles (wood and steel).

Bernard McCurdy,  
N. E. cor. 9th and Arch sts., Phila.

## Floors and Floor Finishing.

Fritz & La Rue,  
4800 Parkside ave., Phila.

## Furnishers and Decorators.

Duncan & Duncan, Inc.,  
1724 Chestnut st., Phila.

## Furnaces and Ranges.

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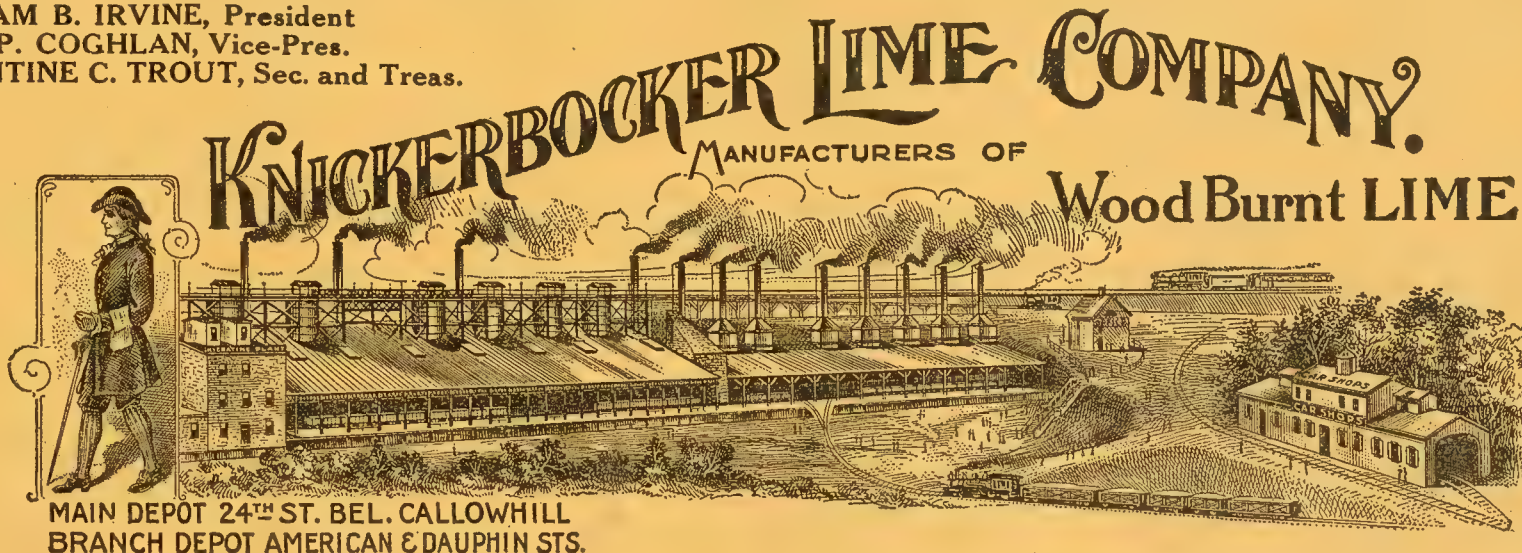
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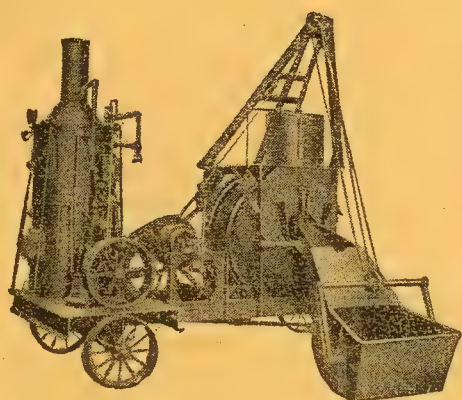
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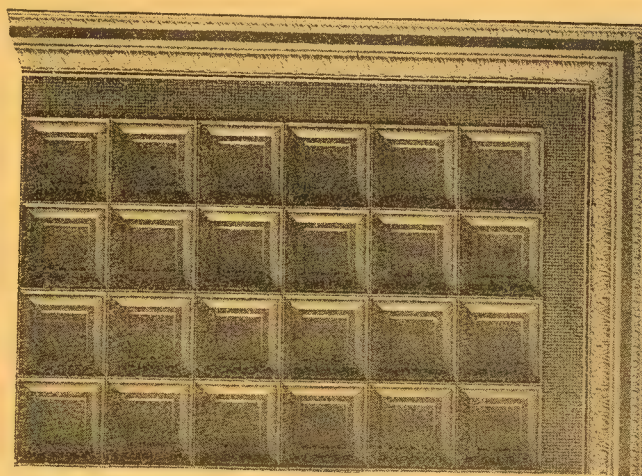
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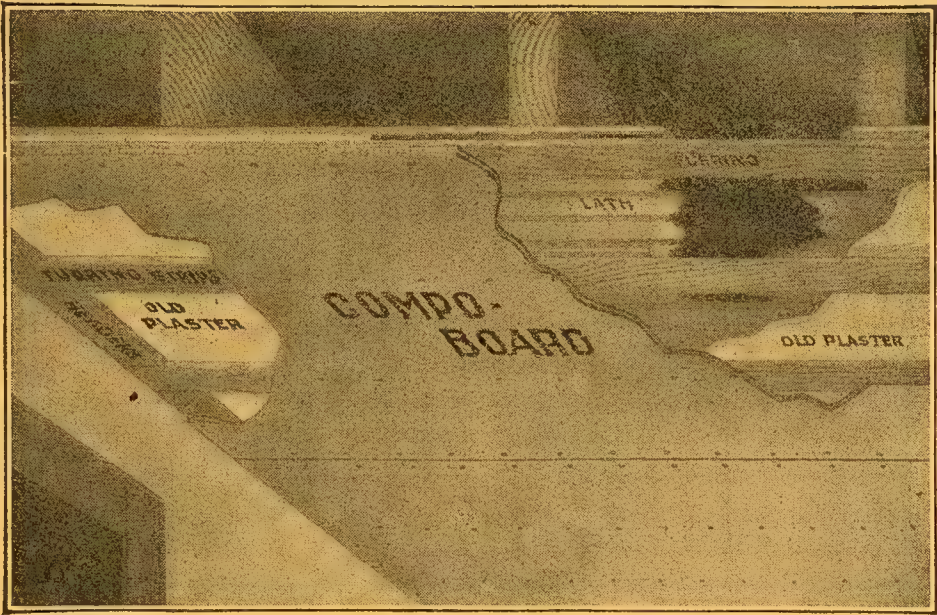


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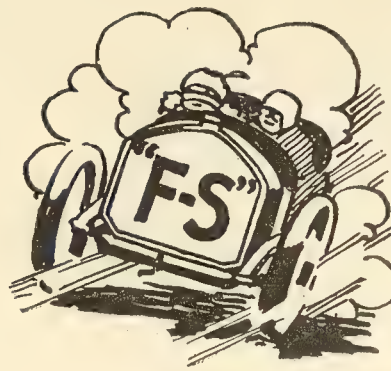
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Vol. XXVII., No. 20.

PHILADELPHIA, WEDNESDAY, MAY 15, 1912.

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## Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**School (alt.),** Ambler, Pa. Architects, Schermerhorn & Phillips, 430 Walnut street. Owner, Upper Dublin Township School Board, care of Charles A. Roberts, president, Jarrettown, Pa. Consists of furnishing of second floor, fan system of heating, fire escapes, etc. Plans in progress. Owner will take bids in about one month.

**School (remodeling),** Three Tuns, Pa. Architects, Schermerhorn & Phillips, 430 Walnut street. Owners, Upper Dublin Township School Board, care of Charles R. Roberts, president, Jarrettown, Pa. Stone, one story, hot air heating. Plans in progress. Owner will take bids in about one month.

**School (remodeling),** Ft. Washington, Pa. Architects, Schermerhorn & Phillips, 430 Walnut street. Owner, Upper Dublin Township School Board, care of Charles R. Roberts, president, Jarrettown, Pa. Stone, two stories, new mechanical fan heating system. Plans in progress. Owner will take bids in about one month.

**Court House,** Brazil, Ind. Architect, J. W. Yaddis Vincennes, Ind. Owners, Clay County Court House. Stone, brick and concrete, three stories and basement, 140x109 feet, tile roof, electric lighting, steam heating. Architects taking bids due June 4. J. E. & A. L. Pennock, Land Title Building, are figuring.

**Restaurant,** Southeast corner Forty-second street and Fifth avenue, New York. \$20,000. Architects, Stuckert & Sloan, Crozier Building. Owners, Horn & Hardart Baking Company, 818 Chestnut street. Interior alterations and additions. Plans in progress.

**Residence,** Moylan, Pa. Architect and owner, Robert G. Holland, Wallingford, Pa. Stone and shingle, two and one-half stories, 36x31 feet, hot air heat, electric lighting, shingle roof. Owner taking bids due May 14. J. B. Flounders, 1329 Arch street, is figuring.

**Buildings (7),** Bedford, Va. Architects, Ottenheimer, Sterns & Richert, Chicago, Ill. Owner, National Home, B. P. O. E., Bedford, Va. Brick, fireproof, two stories, electric light, steam heat, slate and slag roof. Architects taking bids due May 20. Metzger & Wells, Heed Building, are figuring.

**Chapel,** Harrisburg, Pa. Architect, J. A. Dimpwolf, York, Pa. Owners, Pennsylvania State Lunatic Hospital, H. I. North, superintendent, Harrisburg, Pa. Brick and stone, one story. Owners taking bids due May 20. M. W. Young, Overbrook, Pa.; H. E. Baton, Tenth and Sansom streets, are figuring.

**Storage (alt. and add.),** Twenty-fifth and York streets. Architects, Ballinger & Perrot, 1211 Arch street. Owners, Acme Tea Company, on premises. Concrete, fireproof basement. Architects have received bids.

**Hospital,** Jacksonville, Fla. Architects, Stevens & Greeley, Boston, Mass. Owners, St. Luke's Hospital, Jacksonville, Fla. Brick and plaster, two and one-half stories, 38x113 feet. Tile roof, electric lighting, elevators. Architects taking bids, due May 18. Cramp & Co., Denckla Building, are figuring.

**Moving Picture Theatre,** Media, Pa. Architect, Harold Tatum, Media, Pa. Owner, Henry C. Saulmier, Media, Pa. Brick, one story, 40x74 feet. Electric lighting, steam heating, slag roof. Architect has received bids.

**Bungalow,** Wayne, Pa. Architect, D. K. Boyd, Fifteenth and Walnut streets. Owner, Mrs. E. J. Anthony, care of architect. Stone and frame, one and one-half stories, electric lighting, shingle roof. Architect has received bids.

**Factory Building,** Philadelphia, Pa. Architects, Kuhn Engineering Company, 3058 North Eighth street. Owner's name withheld. Brick, five stories, 40x98 feet. Slag roof, elevators. Architect has received bids.

**Garage,** 1811 to 21 Master street. Architect, Lloyd Titus, 430 Walnut street. Owner, William J. McMullin, 1233 North Broad street. Stone, two stories, steam heating, electric lighting, slag roof. Architect taking bids. J. B. Flounders, 1329 Arch street, is figuring.

**Residence (alt. and add.), and Garage,** Bala, Pa. Architect, Frank Seeburger, Pennsylvania Building. Owner, J. V. E. Titus, Bala, Pa. Stone and plaster, two and one-half stories. Shingle roof, hot water heating, electric lighting, red oak flooring. Architect taking bids, due May 17th. The following are figuring: John N. Gill & Co., Heed Building; Metzger & Wells, Heed Building; J. E. Kearney, 327 North Sixth street; Carvan Construction Company, 5144 Locust street; J. Paul Emrey, Parkside and Wynefield avenues; Mowrer Brothers, Merion, Pa.

**Building (alt. and add.),** southwest corner Twelfth and Market streets, \$50,000. Architects, Sauer & Hahn, 1118 Chestnut street. Owners, Continental-Equitable Trust Company, lessees, Bedell Company, 14 West Fourteenth street, New York. Consists of new front, interior alterations. Plans in progress.

**Post Office,** Charleroi, Pa. Architect, J. K. Taylor, Washington, D. C. Owners, U. S. Government, Treasury Department, Washington, D. C. Stone, two stories, 79-50 feet. Electric lighting, slate roof, steam heating, gas water heater. Owners taking bids, due May 31st. The following are figuring: W. E. Dotts, 148 North Second street; H. E. Baton, Tenth and Sansom streets; Doak & Co., Crozier Building; H. L. Brown, 1714 Sansom street; J. W. Emery, 1524 Sansom street; J. E. & A. L. Pennock, Land Title Building.

**Garage,** Ocean City, N. J. Architect, W. L. Blithe, 608 Chestnut street. Owner, F. F. Armstrong, Builders' Exchange. Concrete, two stories, 30x40 feet. Shingle roof, electric lighting. Plans in progress.

**Residence,** Chestnut Hill, Pa. Architects, Brockie & Hastings, 328 Chestnut street. Owner, Mrs. Mary Anne Ross, care of architect. Stone, two and one-half stories, 32x92 feet. Shingle roof, hot air heating, Raud heater, hardwood floors, electric lighting. Architects taking bids, due May 17th. The following are figuring: William H. Gruhler, 219 High street; Stokes Brothers, 6723 Musgrave street; Appleton & Burrell, 1208 Chancellor street; G. S. Roth & Son, 230 East Graver's lane; T. Seeds, Jr., Twelfth and Race streets; Charles Gilpin, Harrison Building.

**Residence,** Haverford, Pa., \$18,000. Architect, D. K. Boyd, Fifteenth and Walnut streets. Owner, A. A. Hirst, 211 South Sixth street. Stone, two and one-half stories, 32x62 feet. Electric lighting. Architect has received revised bids.

**Bank Building,** Third and Chestnut streets. Architect, James H. Windrim, Commonwealth Building. Owner, Girard Bank Building, on premises. Brick and stone (alterations and additions). Electric lighting and steam heating. Architect has received bids.

**Bridge,** Cobb's Creek, Philadelphia. Architect, Department of Public Works, Bureau of Buildings, City Hall. Owners, City of Philadelphia. Concrete and wood, 70 feet long. Owners have received bids.

**Power House,** Danville, Va. Architects, Soofield Engineering Company, Arcade Building. Owners, Municipal Electric Company, Danville, Va. Brick, one story, 101x87 feet. Slag roof. Architects taking bids, due May 15th. Stacey Reeves & Son, 1609 Filbert street; Metzger & Wells, Heed Building, are figuring.



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ARCHITECTS' DESIGNS EXECUTED and ARCHITECTURAL IRON WORK

Phones: BELL-LOCUST 1-24  
KEYSTONE-RACE 8-24

**N. E. Cor. 22d and Wood Streets**

Office Building, Barn and Shops, Erie avenue and Lycoming. \$500,000. Architect, H. B. Nichols, Eighth and Dauphin streets. Owner, Philadelphia Rapid Transit Company, Eighth and Daphin streets. Brick, concrete, one and two stories, electric light, slag roof. Plans in progress.

Building (alt. and add.), 634 Market street. Architects, Stuckert & Sloan, Crozier Building. Owner, Finance Company of Pennsylvania, 424 Chestnut street. Interior alterations. Architect taking bids due May 17. The following are figuring: E. E. Hollenbach, Fifteenth and Race streets; William Ferguson, 405 South Twenty-first street; William R. Dougherty, 1604 Sansom street; Doak & Co., Crozier Building; George Hogg, 1634 Sansome street; Smith Hardicin, 1606 Cherry street; P. J. Hurley, 1233 Cherry street.

Rectory, Bradley Beach, N. J. Architect, George I. Lovatt, 421 Walnut street. Owner, J. J. O'Hara, Bradley Beach, N. J. Stone, three stories, 40x50 feet, slate roof, hot water heat, electric light. Plans in progress.

Building (alt. and add), Fourth and Chestnut streets. Architects, Furness & Evans Company, Fourth and Chestnut streets. Owner, Provident Life and Trust Building, Fourth and Chestnut streets. Interior (alt. and add.) to fourth floor. Architects taking bids due May 17. The following are figuring: Stacey Reeves & Son, 1611 Filbert street; A. P. Fraim, 319 Market street; William R. Dougherty, 1604 Sansom street.

Residence, Chestnut Hill. Architect, J. S. N. Shirek, 420 Chestnut street. Owner, R. G. Fell, 262 South Fifteenth street. Brick and plaster, two and one-half stories, slate roof, plaster, two and one-half stories, slate roof, asbestos roof, electric light. Architect taking bids due May 21. The following are figuring: Stacey Reeves & Son, 1611 Filbert street; F. L. Hoover & Son, Builders' Exchange; W. R. Dougherty, 1604 Sansom street; R. C. Ballinger & Co., 218 North Thirteenth street; F. W. Allison, 1710 Rittenhouse street.

Garage, Broad and Locust streets. Architects, Hewett, Granger & Paist, Bullitt Building. Owners, Bellevue-Stratford Hotel Company, Broad and Walnut streets. Brick, concrete, fireproof, four stories, 102x150 feet, slag roof, electric light, steam heat. Revised plans in progress.

Addition to Plant and 330 Dwellings, Marcus Hook, Pa. \$100,000. Architects, Ballinger & Perrott, 1211 Arch street. Owners, American Viscose Company, Marcus Hook, Pa. Brick and concrete. Plans in progress.

Power Plant, Twenty-first and Allegheny avenue. Architects, Heacock & Hokanson, Bailey Building. Owner, Steel Heddle Company, on premises. Reinforced concrete, one story, 100x45 feet, concrete roof. Architects taking bids due May 16. The following are figuring: George Kessler, Drexel Building; H. Wehmeyer, 1004 West Lehigh avenue; H. E. Baton, Tenth and Sansom street; A. R. Raff, 1635 Thompson street; Appleton & Burrell, 1204 Chancellor street; F. A. Havens & Company, 845 North Nineteenth street.

Residence, Radnor. Architects, Bissell & Sinkler, Bailey Building. Owner, S. D. Sinkler, care of architect. Brick, three stories, 72x36 feet, wing 44x28 feet, shingle roof, electric lighting, vapor steam heating, hardwood floors. Architects taking bids due May 17.

The following are figuring: McConaghy Bros., Ardmore; Appleton & Burrell, 1204 Chancellor street; J. P. Thompson, 1432 South Penn square; George & Borst, 277 South Eleventh street; Metzger & Wells, Heed Building; F. I. Hoover & Son, Builders' Exchange.

Chapel (add.), McKinley, Pa. Architects, Druckenmiller, Stackhouse & Williams, Land Title Building. Stone and clap board, one story and basement, 30x50 feet, slate roof, hot water heating, electric lighting. Architects taking bids due May 15. The following are figuring: C. R. Hammerly, Oak Lane, Pa.; S. Pool, Ogontz; S. Carson, Jenkintown, Pa.; Y. D. Blake, Glenside, Pa.; W. J. Stevens, Wyncote, Pa.; F. I. Hoover & Son, Builders' Exchange; William Fesmier, Glenside, Pa.

Office Building, Delaware avenue and Wensley street. Architects, William Steele & Sons Company, 1600 Arch street. Owner, Ontario Land Company, 1815 East Boston avenue. Brick, one story, 22x60 feet, electric lighting, hot water heating, slag roof. William Steele & Sons Company, 1600 Arch street, are taking sub-bids.

Morgue and Laboratory, Second and Luzerne streets. Architect, Philip H. Johnson, Land Title Building. Owner, The Municipal Hospital for Contagious Diseases, care of Dr. J. B. Neff, City Hall. Brick and stone, two stories, slate roof, electric lighting. Plans complete. Architects will take bids in a few days.

Residence, Oak Lane, Pa. Architect, Guy King, 1513 Walnut street. Owner, Mrs. M. E. Richards, care of architect. Store, two and one-half stories, 38x46 feet, shingle roof, electric lighting, hot water heating, hardwood floors. Plans in progress.

Residence, Wayne avenue and Horter street. Architect, Guy King, 1513 Walnut street. Owner, E. T. Flood, Broad and Venango sts. Store, two and one-half stories, 47x36 feet, shingle roof, electric lighting, hot water heating, hardwood floors. Plans about completed. Owner will take bids in about one week.

Building, Broad and Columbia avenue. \$45,000. Architects, E. F. Durang & Son, Inc., Twelfth and Chestnut streets. Owners, Sisters of Mercy, on premises. Brick, two stories, 35x120 feet, hall, laundry and class rooms, slag roof, electric lighting, steam heat. Plans completed. Architects will be ready for bids in a few days.

Apartment House, Fifty-first and Locust streets. Architect, A. Lynn Walker, Forty-fifth and Pine streets. Owner's name withheld. Brick, five stories, 50x75 feet, slag roof, steam heat, electric lighting. Architect taking bids due May 11. A. Whitehead, Sixteenth and Latimer street, is figuring.

Residence, Oak Lane, Pa. Architects, Simon & Bassett, 1118 Chestnut street. Owner, Frank E. Whitney, 6604 North Sixth street. Stone, two and one-half stories, 45x31 feet, slate roof, electric lighting, hot water heat. Architects have received bids.

Factory (add.), D street and Tioga. Architect, George H. Thirsk, 4413 Frankford avenue. Owner, The Brighton Worsted Company, on premises. Brick, two stories, slag roof, electric lighting. Owner has received bids.

Residence, Woodbury, N. J. Architects, Druckenmiller, Stackhouse & Williams, Land Title Building. Owner, J. J. Summerill, Wood-





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bury, N. J. Stone and frame, two and one-half stories, electric light, shingle roof. Plans about completed. Architect ready for bids in a few days.

**Stores (alt. and add.),** 3603 to 19 Market street. Architects, Anderson & Haupt, Drexel Building. Owner, A. M. Greenfield, Real Estate Trust Building. Brick, three stories, 32x56 feet, electric light, hot air heat, slag roof. Architects taking bids due May 17. The following are figuring: Smith-Hardican Company, 1604 Cherry street; George Hogg, 1634 Sansom street.

**Y. M. C. A.,** Reading, Pa. Architects, Shattuck & Hussey, Chicago, Ill. Owners, Y. M. C. A., of Reading, Pa. Stone, brick and concrete, six stories, 106x135 feet, slag roof, electric light, steam heat. Architect taking bids due May 16. The following are figuring: J. E. & A. L. Pennock, Land Title Building; Metzger & Wells, Heed Building; H. L. Brown, 1714 Sansom street.

**Garage and Cottage,** Radnor, Pa. Architect, Charles A. Platt, 11 East Twenty-fourth street, New York City. Owner, Frank F. Griswald, 333 Chestnut street. Frame and plaster, two stories, 32x50 feet, hardwood floors, electric light, steam heat, slate roof. Owner taking bids due May 16. J. S. Cornell & Son, Land Title Building, are figuring.

**Theatre,** St. Johns, New Brunswick, Canada. Architect, A. E. Westover, Keith Building. Owner, B. F. Keith, care of architect. Brick, one story, 65x158 feet, steam heat, electric light, reserved, asbestos roof. Architect taking bids due May 16. H. L. Brown, 1714 Sansom street, is figuring.

**Building (alt. and add.),** Eleventh and Chestnut streets. Architect, L. E. Denslow, 44 West Nineteenth street, New York City. Owners, United Cigar Stores Company, Mint

Arcade Building, Philadelphia. Brick, steel, glass. Owners taking bids due May 17. The following are figuring: J. L. Emery, 1524 Sansom street; Edward Fay & Son, 1521 Ranstead street; H. C. Dahl, 231 South Eighth street.

**Factory,** Riverside, N. J. Architect, W. E. S. Dyer, Land Title Building. Owner, Henry Taubel & Sons, Riverside, N. J. Brick, three stories, 44x111 feet, slag roof. Architect taking bids due May 15. The following are figuring: H. E. Grau Company, 1709 Sansom street; Pomeroy Construction Company, 1609 Ranstead street; J. B. Flounders, 1329 Arch street Philadelphia Construction Company, 1321 Arch street; Doyle & Co., 1519 Sansom street; Geo. Gray, Frankford, Phila.; M. P. Murphy, 263 South Tenth street; Harry Gill, Jr., 2200 Germantown avenue; Edward Fay & Sons, 1521 Ranstead street; J. R. Jackson, Perry Building; George W. Shaner, Palmyra, N. J.

**Shed,** Twenty-sixth and Gray's Ferry road, Philadelphia. Architect, private plans. Owners U. S. Government, office of Constructing Quartermaster, on premises. Steel and wood, one story, 96x40 feet, galvanized roof. Owners taking bids due May 28. P. J. Hurley, 1233 Cherry street, is figuring.

**School,** Vineland, N. J. Architects, Moffett & Stewart, Jessup Building, Camden, N. J. Owners, New Jersey Training School for Feeble Minded Girls and Boys. Brick and brownstone, two stories, 95x42 feet. Slag roof. Owners taking bids, due May 20th. The following are figuring: Metzger & Wells, Heed Building; Joseph Steelman, Bridgeton, N. J.; Joseph Pasquale, Vineland, N. J.; William Wrixford, 724 Washington street, Camden, N. J.; Boyer & Lewis, 307 Market street, Camden, N. J.

**Station,** Barnesville, Ohio. Architect, office of architect, Baltimore, Md. Owners,

Baltimore and Ohio Railway Company, New-ark Division. Brick and concrete, one story, 27x68 feet. Tile roof, electric lighting, steam heating. Architect taking bids. The following are figuring: Roydhouse-Arey Company, Fidelity Building.

**Building (alt. and add.),** 1307 Locust street. Architects, Bunting & Shregley, 603 Chestnut street. Owners, the New Century Guild, on premises. Brick, hardwood floors, tile and slag roof, electric lighting. Architects taking bids, due May 18th. The following are figuring: T. C. Trofford, 1613 Sansom street;

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J. J. Murphy Company, 1139 South Willow street; George L. Sipps, 911 Locust street; J. G. Doak & Co., Crozer Building.

**Club House**, Philmont Station, Pa. Architects, Magaziner & Potter, 137 South Fifth street. Owners, Philmont Country Club. Brick, two and one-half stories and basement, slate roof, electric lighting, steam heating. Architects taking bids, due May 24th. The following are figuring: J. Owens, 7215 Germantown avenue; A. Whitehead, 1624 Latimer street; Sax & Abbott, Hale Building; H. E. Grau Company, 1707 Sansom street; Irwin & Leighton, 126 North Twelfth street; J. B. Flounders, 1329 Arch street; H. L. Brown, 1714 Sansom street; A. R. Raff, 1635 Thompson street; T. Seeds, Jr., 1207 Cherry street; F. A. Havens Company, 845 North Nineteenth

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street; W. J. Stevens, Wyncotte, Pa.; Doak & Co., Crozer Building.

**Synagogue**, 3436 Paul street, Frankford, Philadelphia. Architect, L. V. Scheer, 411 Walnut street, Philadelphia. Owners, Hebrew Congregation, Frankford, Philadelphia. Brick, one story, 32x48 feet. Architect taking bids, due May 18th. The following are figuring: George & Borst, 277 South Eleventh street; Edw. Fay & Sons, 1521 Ransstead street; Thomas C. Trafford, 1613 Sansom street; W. R. Dougherty, 1608 Sansom street; F. L. Hoover & Sons, Builders' Exchange.

**Apartment House**, Atlanta, Ga. Architect, W. L. Stoddard, 30 West Thirty-eighth street, New York City. Owners, Fulton Properties Company. Brick and terra cotta, ten stories, 130x130 feet. Elevators, electric lighting, slag

roof, steam heating, hardwood floors. Architects taking bids, due July 5th. Charles McCaul Company, Sixteenth and Sansom streets, and J. E. & A. L. Pennock, Land Title Building, are figuring.

**Residence**, Atlantic City, N. J., \$15,000. Architects, Price & McLanahan, Sixteenth and Walnut streets. Owner, W. H. Wall, Atlantic City, N. J. Brick and plaster, two and one-half stories, electric lighting, shingle roof. Plans completed. Owner will take sub-bids.

**Stores and Dwellings**, 847 Montrose street. Architect, J. E. Jackson, 727 Walnut street. Owner, Michael Breamonto, care of architect. Brick, three stories, 14x40 feet. Slag roof, electric lighting. Architect taking bids, due May 17th. F. E. Wallace, 1210 Sansom street, is figuring.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Church**, Fortieth and Powelton avenue. Architect, A. A. Ritcher, Lebanon, Pa. Owners, St. Stephen's Evangelical Church. Stone, one story, 75x100 feet, slate roof, electric light, steam heat. Contract awarded to T. C. Trafford, 1613 Sansom street.

**Residence**, Twenty-sixth and Columbia avenue. Architects, Roelle, Speth & Co., Twenty-sixth and Oxford streets. Owner, Dr. J. Paul Franz, care of architects. Brick and brownstone, three stories, 18x70 feet. Contract awarded to E. C. Durrell, 1713 N. Twenty-fourth street.

**Cottage**, Elkins Park, Pa. Architects, Bissell & Sinkler, Bailey Building. Owner, G. W. Elkins, Elkins Park, Pa. Stone and hollow tile, two stories, 27x39 feet, shingle roof, electric light, hot air heat. Contract awarded to H. Specht, Willow Grove, Pa.

**Addition to Plant**, Camden, N. J. Architects, Ballinger & Perrot, 1211 Arch street. Owner, Victor Talking Machine Company, Camden, N. J. Concrete, five stories, slag roof, electric light, steam heat. Contract awarded to Irwin & Leighton, 126 North Twelfth street.

**Exchange Building**, Lebanon, Pa. Architect, J. T. Windrim, Commonwealth Building. Owner, Bell Telephone Company, Twelfth and Arch streets. Brick, three stories, 33x50 feet, slag roof, steam heating, electric lighting. Contract awarded to F. W. Van Loon, Denckla Building.

**Residence (alt. and add.)**, Lansdowne, Pa. Architects, Heacock & Hokanson, Bailey Building. Owner, J. H. Ogden, on premises. Stone, frame and plaster, two stories, 25x32 feet, slate roof and tin, electric lighting. Contract awarded to William C. Shuster, Lansdowne, Pa.

**Addition to Plant**, Marcus Hook, Delaware County. Architects, Ballinger & Perrott, 1211 Arch street. Owners, American Viscose Company, Marcus Hook. Reinforced concrete construction, one story, 36x80 feet, slag roof, electric lighting. Contract awarded to William Provost, Chester, Pa.

**Storage House**, Ardmore, Pa. \$25,000. Architect, John Charles Norton, Ardmore, Pa.

Owner, George W. Doran, Ardmore, Pa. Brick, concrete floors, two stories, 60x54 feet, asbestos roof, electric light, steam heat. Contract awarded to William H. Smith, Ardmore, Pa.

**Residence**, Mt. Airy, Phila. Architect, Clyde S. Adams, 1233 Arch street. Owner, Frank B. Chambers, 213 Gowan avenue. Tapestry brick, two and one-half stories, 40x30 feet, slate roof, hot water heat, electric light. Contract awarded to F. B. Davis, 35 South Seventeenth street.

**Church**, Forty-second and Girard avenue. Architect, Charles W. Bolton & Son, Witherspoon Building. Owners, Emanuel Presbyterian Church, on premises. Stone and terra cotta, one story and gallery, 70x90 feet, slate roof, electric light, steam heat. Contract awarded to F. L. Hoover & Sons, Builders' Exchange.

**Home**, Fifty-third and Chester ave. Architects, Ballinger & Perrott, 1211 Arch street. Owners, Little Sisters of the Poor, on premises. Granite, four stories, 37x111 feet, wing 53x53 feet, tile roof, electric light, steam heat. Contract awarded to W. J. McShane, 417 South Thirteenth street.

**Residence (alt. and add.)**, Fort Washington, Pa. Architect, R. E. White, Pennsylvania Building. Owner, Calvin Pardee, Fort Washington, Pa. Stone, three stories, electric light, tin roof. Contract awarded to H. Specht, Willow Grove, Pa.

**Storage (alt. and add.)**, Twenty-fifth and York streets. Architects, Ballinger & Perrott, 1211 Arch street. Concrete, fireproof basement. Contract awarded to B. Ketcham's Sons, 1029 Brown street.

**Residence**, Devon, Pa. Architect, private plans. Owner, J. E. C. Morton, 1339 Chestnut street. Frame, two and one-half stories, 65x30 feet, electric light, hot water heat, shingle roof. Contract awarded to Gray Bros., Rosemont, Pa.

**Storage (alt. and add.)**, Twenty-fifth and York streets. Architects, Ballinger & Perrott, 1211 Arch street. Owners, Acme Tea Company, on premises. Concrete, fireproof. Contract awarded to Turner Concrete Steel Company, 1314 Arch street.



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## Permits for New Buildings

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William H. Yeldand (O), 426 Penn street. Benjamin Isenberger (C), 425 Moore street. Cost, \$22,800. Fourteen dwellings, brick, two stories, 14x30 feet, Vandyke and Benner sts.

W. H. Magoffin (O), 121 South Sixteenth street. W. H. Uhler (C), 1841 South Broad street. Cost, \$9,000. Warehouse, 37x71 feet, three stories, brick, Meadow and Wolf streets.

Edward L. Welch (O), Seventh and Pine streets. Henry L. Brown (C), 1714 Sansom street. Cost, \$12,000. Garage, brick, three stories, 31x50 feet, Waverley and Noble sts.

Valentine Smith Company (O), Second and Green streets. Stewart Brothers (C), 2528 North Orkney street. Cost, \$26,000. Warehouse, five stories, brick, 38x72 feet, Phillip and Greene streets.

Berg Brothers (O), 1021 Market street. A. R. Raff (C), 1635 Thompson street. Cost, \$120,000. Department store, seven stories, brick, 45x105 feet, 926 Market street.

Jaskin & Shefrer (O), Seventy-eighth and Brewster avenue. Cost, \$8,800. Four two-story brick dwellings, 14x38 feet, Seventy-eighth and Brewster avenue.

Dr. George Woodward (O), St. Martins, Pa. P. Borthwick (C), 8018 Germantown avenue. Cost, \$13,400. One three-story dwelling, 81x31 feet, St. Martins, Pa.

E. S. Tomlinson (O), 34 South Sixtieth street. Bahn Brothers (C), 34 South Sixtieth street. Cost, \$5,000. Two two-story, brick, Sixty-first and Vine streets.

D. Cram (O), 6600 Woodland avenue. Cost, \$45,600. Twenty-four two story brick dwellings, 15x42 feet, 5510 to 5556 Osage avenue.

H. B. Boorse (O), 665 North Fifteenth street. Cost, \$6,000. Two two-story brick dwellings, 16x55 feet, Olney and Master sts.

Domenico Coni (O), 1126 South Ninth street. Cost, \$1,500. Engine room, 1126 South Ninth street.

James S. Young (O), 313 Walnut street.

Doyle & Co. (C), 1519 Sansom street. Cost, \$50,000. Light manufacturing, seven stories, 44x107 feet, concrete, Twelfth and Quarry streets.

James Holtin (O), 2712 Jasper street. G. H. Thirsk (C), 4413 Frankford avenue. Cost, \$7,700. One dwelling, two stories, 21x80 feet, D street and Wyoming avenue.

B. Cohen (O), 1218 Chestnut street. A. Levin (C), 823 Winton street. Cost, \$6,500. Two dwellings, brick, two stories, 16x43 feet, Tulip and Howell streets.

Sulpton & Payne Company (O), 2854 North Fifth street. Stewart Brothers (C), 2528-30 North Orkney street. Cost, \$3,500. Two-story, brick, addition, 28x28 feet. Manufacturing, 2859-61 North Reese street.

J. J. Cuvanough (O), 4353 Main street. E. L. Cuthbertson (C), 334 Roxborough avenue. Cost, \$4,000. One brick dwelling, four stories, 14x70 feet, 4353 Main street.

M. C. Lloyd (O), 6515 North Eighth street. Oak Lane Building Company (C), Seventh and Cheltenham avenue. Cost, \$6,000. Two stores and dwellings, two stories, 35-34 feet, Seventh street, south of Sixty-sixth avenue.

A. H. Nagorski (O), Orthodox and Pierce streets. Cost, \$2,200. Two-story brick dwelling, 16x56 feet, Orthodox and Pierce streets.

J. Zebroski (O), 2612 Lefevre street. A. Johnson (C), 4267 Salmon street. Cost, \$2,400. Two dwellings, two stories, brick, 16x60 feet, 2610 Lefevre street.

S. L. Allen Company (O), Fifth and Glenwood avenue. H. C. Rea (C), 1027 Wood street. Cost, \$92,000. Factory, six stories, brick, 245x200 feet, Fifth and Glenwood avenue.

Samuel Shoemaker (O), Land Title Building. Cost, \$110,000. Twenty-two dwellings, brick, two stories, 15x37 feet, Sixty-first and Catharine streets.

Morris Realty Company (O), 1218 Chestnut street. H. W. Geshwind (C), 1213 Filbert street. Cost, \$1,146. Offices and apartments, 122 South Thirteenth street.

J. Rosenblum (O), 512 South Fifth street. M. Yackwitz (C), 1202 North Seventh street. Cost, \$5,100. Store and dwelling, 444 to 54 South Sixtieth street.

The Pennsylvania Company (O), 517 Chestnut street. E. W. Church (C), Heed Building. Cost, \$3,000. Residence, 1307 Walnut street.

Pecora Paint Company (O), Fourth and Sedgley avenue. J. R. Wiggin Company (C), 1215 Filbert street. Cost, \$3,000. Boiler

House. Cost, \$3,000. Manufacturing, Fourth and Sedgley avenue.

A. Peterson (O), 5924 Woodbine street. M. W. Young (C), Overbrook, Pa. Cost, \$11,500. Stone, 45x31 feet, store and dwelling, 5950 Drexel avenue.

Thomas Kellough (O), 5035 Spruce street. Cost, \$60,700. Twenty-eight two-story brick dwellings, 15x46 feet, Sixty-first and Spruce streets.

Archbishop E. F. Prendegast (O), 223 West Logan Square. M. L. Coneen & Co. (C), 315 South Twentieth street. Cost, \$12,000. Church, one story, 32x58 feet, stone, Fox Chase, Philadelphia.

Charles S. Kates (O), Seventy-ninth and Brewster avenue. Cost, \$3,000. Two dwellings, two stories, brick, 16x40 feet, Seventy-ninth and Brewster avenue.

Francis W. Price (O), 3221 Park avenue. George A. Boyd (C), 1822 Erie avenue. Cost, \$5,200. One dwelling, three stories, brick, 16x40 feet, 4708 North Broad street.

George McKinney (O), 3544 Janney street. Cost, \$1,500. Dwelling, two stories, brick, 16x26 feet, 3541 Janney street.

Frank Chambers (O), 212 North Thirteenth street. F. B. Davis (C), 35 South Seventeenth street. Cost, \$7,475. Residence, three stories, brick, 30x38 feet, 7321 Boyer street.

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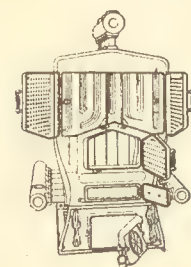
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## Alterations and Additions

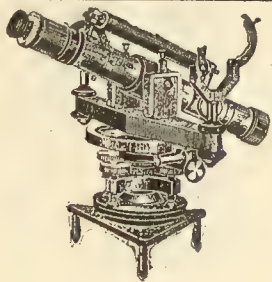
William A. Beaver (O), 33 North Eleventh street. H. R. Rust (C), 41 Hutchinson street. Cost, \$1,300. Offices, 33 North Eleventh street.

D. Rubin (O), 544 North Third street. A. Altman (C), 1550 North Sixth street. Cost, \$400. Store and dwelling, 544 North Third street.

William L. Geddis (O), 6401 Woodbine avenue. M. W. Young (C), Overbrook, Pa. Cost, \$2,800. Garage, 6401 Woodbine avenue.

Knickerbocker Apartment Company (O), 1618 Diamond street. H. W. Geshwind (C), 1213 Filbert street. Cost, \$835. Apartment House, 1618 Diamond street.





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Fletcher Estate (O), Eighteenth and Chestnut streets. J. N. Gill Company (C), 1215 Filbert streets. Cost, \$2,500. Garage, 1726 Cherry street.

J. C. Doyle (O), 746 North Fortieth street. F. H. O'Neill (C), 154 North Seventh street. Cost, \$790. Dwelling, 746 North Fortieth street.

Girard Trust Company (O), Broad and Chestnut streets. Lam Building Company (C), 1001 Wood street. Cost, \$1,600. Store, Twenty-first and South streets.

A. Schlisinger, agent, 330 Walnut street. Lam Building Company (C), 1001 Wood street. Cost, \$1,600. Manufacturing building, Third and Market street.

Little Sisters of the Poor (O), Eighteenth and Jefferson streets. Charles Miller (C), 1216 North Nineteenth street. Cost, \$2,800. Home, Eighteenth and Jefferson streets.

John McIlvane (O), 4232 Cresson street. Neal McIlvane (C), 170 Roxborough street. Cost, \$600. Dwelling, 170 Roxborough street.

Valentine H. Smith Company (O), Green and Phillips streets. Michael Monaghan (C), 214 South Second street. Cost, \$12,000. Manufacturing, Green and Phillips streets.

Frank Schilling (O), Second Street pike. John Ashlin (C), 316 Grange avenue. Cost, \$2,500. Stable and garage, brick, one story, Second Street pike.

George W. Wilson (O), Branchtown, Philadelphia. R. B. Strunk (C), Branchtown, Philadelphia. Cost, \$450. Garage, Old Road and Greene Lane.

Pennsylvania R. R. Company (O), Broad Street Station. Cost, \$850. Station, Allen Lane, Philadelphia.

Albert Keinath (O), 229 South Ninth street. Charles Barber (C), Camden, N. J. Cost, \$2,300. Laundry, 229 South Ninth street.

J. P. Doherty (O), 1617 Chestnut street. Biggins Iron Works (C), 1829 Harlan street. Cost, \$600. Tailor shop, 1623 Chestnut street.

Adams Express Company (O), Eighteenth and Market streets. Armstrong & Latta Company (C), land Title Building. Cost, \$27,000. Garage, Twenty-second and Market streets.

E. Schroeder (O), 1615 North Seventeenth street. Joseph Reis (C), 1331 North Front street. Cost, \$550. Furnace, 1222 North Howard street.

Girard Realty Company (O), Betz Building. William H. Eddleman (C), 453 Green Lane. Cost, \$1,500. Residence, 406 Lyceum avenue.

Dr. Turbull (O), 1935 Chestnut street. William Kerr (C), 2004 Naudain street. Cost, \$800. Store and dwelling, Seventeenth and Wharton streets.

George A. Michael (O), Germantown avenue and Cambria street. Carroll Company (C), Heed Building. Cost, \$800. Store and dwelling, Germantown avenue and Cambria street.

J. & P. Baltz Brewing Company (O), Thirty-first and Thompson streets. Pomeroy Construction Company (C), 1609 Ranstead street. Cost, \$700. Saloon, Thirty-sixth and Haverford avenue.

J. C. Nelson (O), 1118 South Seventh street. H. C. Dohe (C), 231 South Eighth street. Cost, \$1,500. Dwelling, 1137 North Sixty-third street.

William F. Read & Sons (O), 209 Chestnut street. Cost, \$5,000. Manufacturing building, Twelfth and Jackson streets.

Dr. A. J. Hill (O), 541 West avenue, New York City. Simmons Hardware Company (C),

425 Arch street. Cost, \$400. Supply house, 425 Arch street.

F. L. Hermes (O), 2429 Tulip street. W. Myers (C), 2000 East Cambria street. Cost, \$875. Dwelling, 2429 Tulip street.

D. Graham (O), Kensington avenue and D street. H. Voigt (C), Twenty-eighth and Thompson streets. Cost, \$650. Dwelling, Kensington avenue and D street.

M. Klotz (O), 2149 Park avenue. Diamond Building Company (C), 1811 Columbia avenue. Cost, \$500. Store and dwelling, Morris and Camac streets.

Point Breeze Park (O), on premises. Cost, \$1,200. Arcade Slot Machine Building, Point Breeze. Cost, \$1,000 for sub-station.

White City Amusement Company (O), Chestnut Hill. Cost, \$5,000. Sheds, Point Breeze.

Baker Estate (O), Rosemont, Pa. J. Maginnis (C), 514 Walnut street. Cost, \$800. Store, 3602 Market street.

Berg Brothers (O), Tenth and Market sts. M. Morrison (C), 2322 Howard street. Cost, \$5,500. Store, 1023 Market street.

Adam Frederick (O), 1949 North Second street. William J. Jones (C), 2947 North Fifth street. Cost, \$500. Dwelling, 192 West Norris street.

H. Appelbaum (O), 2711 Girard avenue. Robert Baile Company, Inc. (C), 813-15 South Nineteenth street. Cost, \$1,500. Five dwellings, 2832-34-36-38-40 Cambridge street.

M. Segal (O), 960 North Second street. A. Warshawosky (C), 543 North Seventh street. Cost, \$600. Store and dwelling, 968 North Second street.

William Scherman (O), 218 East Tabor street. George R. Dewees (C), 311 Grange avenue. Cost, \$480. Carage, Ella and Fishers avenue.

Joe Coleman (O), 2245 North Fifteenth street. Cost, \$800. Garage, Carlisle and Cayuga streets.

Girard Trust Company (O), Broad and Chestnut streets. J. M. Daniels (C), 252 South Juniper street. Cost, \$2,700. Office, 20 South Delaware avenue.

B. Finberg (O), 635 Walnut street. A. Barsky (C), 421 Tasker street. Cost, \$960. Office, 717 Walnut street.

Louis Mahle (O), 71 East Coulter street. J. Thuman (C), 92 Callon street. Cost, \$1,200. Stable, 48 East Coulter street.

William Sellers & Co. (O), 1600 Hamilton street. Cost, \$5,000. Shop, storage, Seventeenth and Hamilton streets.

Wolstincroft Felt Mfg. Company (O), Bridge and Mulberry streets. D. W. O'Dea, 5219 North Fifth street. Cost, \$500. Factory, Bridge and Mulberry streets.

E. A. Baldwin (O), 4812 Willow street. George Gray (C), 4665 Paul street. Cost, \$700. Milk house, 4810-12 Willow street.

B. Newman (O), 4258 Main street. J. Newborn (C), 844 North Tenth street. Cost, \$500. Store, 4367 Main street.

Robert Killough (O), Wayne and Dural sts. Cost, \$800. Store and dwelling, Wayne and Dural streets.

E. H. Hoyerland (O), 1009 South Forty-sixth street. D. Maguire (C), 708 Fidelity Building. Cost, \$4,100. Residence, 1003-05 South Forty-sixth street.

Charles N. Schaal (O), 6241 Haverford avenue. H. H. Yerger (C), 4430 North Nineteenth street. Cost, \$500. Garage, 6241 Haverford avenue.

J. S. Talley (O), 1330 Walnut street. F. Pebbit (C), 809 Master street. Cost, \$500. Building, 221 South Broad street.



## Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

\*\*A proposed new building code was presented to the New York Board of Aldermen for consideration April 23. The code was prepared by the joint committee on city departments, composed of delegates from the following organizations: The New York Chapter of the American Institute of Architects, the Building Trades Employers' Association, the American Institute of Consulting Engineers, the New York and National Boards of Fire Underwriters, the Brooklyn Chapter of the American Institute of Architects and the New York Society of Architects. The committee was also assisted by the Superintendents of Buildings of the five boroughs.

The new code was drawn to conserve, as far as possible, the interests of both the hollow tile and concrete concerns, which have had a bitter controversy every time the matter of a new code has come before the Board of Aldermen. Attention is given to all details regarding the construction of exterior fireproof stairways, the size of which is to be proportionate to the number of tenants. Inclosed interior stairways, additional exits for all factory and loft buildings, fireproof doors and window shutters are required for future buildings. No material will be prohibited for the reason it is not covered in the code if it fulfills requirements.

It is provided that cinder concrete shall consist of not less than one part Portland cement, two parts sand and four parts of cinders. The last code required three parts of cinders, which the concrete interests said would be prohibitive and keep them out of the market. The codes formerly proposed made concrete building so expensive that it was regarded as designed to give the hollow tile interests a monopoly. In the new document the conditions are equalized impartially, according to engineers.

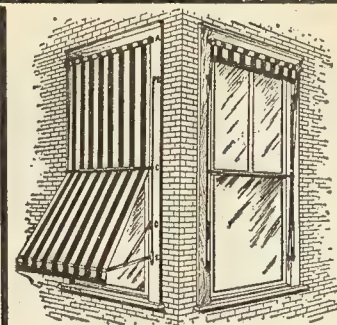
Shingle roofs in all sections are to be prohibited. The code will go into effect thirty days after its adoption by the Board and approval by the Mayor.

\*\*At the annual meeting of the stockholders of the Joseph Dixon Crucible Company held at the company's main office in Jersey City, N. J., Monday, April 15th, the retiring

Board of Directors, consisting of George T. Smith, William Murray, Edward L. Young, William H. Corbin, George E. Long, William G. Bumsted and Harry Dailey, was unanimously re-elected. Officers elected for the ensuing year are as follows: President, George T. Smith; vice-president, W. H. Corbin; treasurer, George E. Long; secretary, Harry Dailey; assistant treasurer and assistant secretary, J. H. Schermerhorn. There were voted 9,304 shares of a total of 10,000.

\*\*High-jinks reigned supreme recently at "Castle Ringstetten," the up-river home of the Undine Barge Club, on the East drive of Fairmount Park. The occasion was a planked shad dinner given the Sawdust Club by Horace A. Reeves, Jr., and Ralph Souder. Messrs. Reeves, Jr., and Souder were elected to the Sawdust Club at the last annual meeting to fill two vacancies. A number of prominent lumbermen were suggested for the honor at the time, but the two shining lights of the Philadelphia Wholesale Association were elected. So to show their appreciation the dinner resulted. "Castle Ringstetten" is an historic club house and a rule is no servants be employed in the place. So when the Sawdust members appeared at 6.30 this evening each man was furnished a chef's cap and apron and set to work. Horace Reeves was head of the squad of waiters and Ralph Souder was in command of the squad that planked the shad. It was nearly ten o'clock when the "big eats" were ready and needless to say they were devoured at a rapid rate. Those present were: Eli B. Hallowell, F. H. Knorr, Frank Buck, W. J. Collins, George F. Craig, Charles Este, A. M. Fox, Jr., F. C. Gillingham, Emil Guenther, C. H. Thompson, Howard Ketcham, Robert C. Lippincott, E. B. Malone, H. C. Riley, J. T. Riley, Franklin Smedley, W. H. Smedley, S. E. Slaymaker, S. B. Vrooman, George Warner, R. F. Whitmer, A. J. Cadwallader, E. F. Henson, John McLean, B. F. Betts, Ralph Souder and H. A. Reeves, Jr.

\*\*Mr. William Warner Justice, Jr., of Philadelphia, was admitted as a partner in the firm of N. & G. Taylor Co., tinplate manufacturers, of Philadelphia, on April 1, 1912.



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\*\*It is doubtless not generally known that for a considerable number of years past Mr. Sanford E. Thompson, in conjunction with Mr. Frederick W. Taylor, has been quietly but very exhaustively studying the individual elements of construction operations with a view to establishing an accurate basis for the determination of cost. He has made thousands of actual observations, and computed therefrom tables and curves showing costs for both unit operations and complete processes in the construction of concrete work. The results are soon to be presented in a volume entitled "Concrete Costs," under the joint authorship of Messrs. Taylor & Thompson. This will be the first authoritative study of the application of scientific management principles to concrete construction work, and should be of great value to the engineer and contractor, for the authors have carefully described the best methods of dealing with the component parts of a construction job, and have so devised their cost tables that it will be possible by their use to estimate the cost of a proposed job much more accurately than by any method heretofore employed.

\*\*E. V. Babcock & Co., large wholesale house of Pittsburgh, Pa., have just closed arrangements to represent the Lumber Manufacturers' Agency, of Centralia, Wash., large distributors of Pacific Coast lumber and shingles. Messrs. E. V. Babcock & Co. will be the sole representatives of this agency east of Cincinnati and Toledo, and will distribute its products from their branch offices at Providence, Philadelphia, Cincinnati, Johnstown, Toledo, Jamestown, N. Y., Wheeling, W. Va., Columbus, Cumberland and New York City, at which points E. V. Babcock & Co. have had representatives for several years.

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200 to 300 rooms each, and also a smaller hotel, have been submitted to the Municipal Offices. As the hotels built on the Riviera are specially intended for the accommodation of English and American visitors, and as the furnishings, as well as other arrangements, are adapted to the tastes of such guests, it would seem that American firms might possibly furnish sanitary appliances, elevators, electric fittings, office and other furniture for them, and I learn that bids for such commodities are still considered. The addresses are the following:

Grand Hotel, Avenue de la Madone, Mentone; architect, George Tersling; financial manager, William Ingram, Mentone. This enterprise is under English management and is being built by English capital. Correspondence may, therefore, be in English.

Hotel des Anglais, Nice, which is being rebuilt, is intended to appeal specially to Eng-

lish and American clients. The architect, Charles Dalmas, Rue Adelaide, Nice, is in charge of the rebuilding of the hotel, and all communications should be addressed to him.

The third large hotel is being built by "Negresco" and is expected to open in January, 1913. This hotel is to be very luxurious, in every way up to date, and to contain the latest improvements in lighting, sanitation, elevators and furnishings. The architect is Nierman, of Paris. The owner, Negresco, Casino Municipal, Nice, is personally supervising the contracts.

\*\*The Trexler Lumber Company, headquarters 30 Church street, New York, and large wholesale distributing yard on the Newark Meadows, Kearny, N. J., and head office and storage yard at Allentown, Pa., have recently issued to the trade a printed booklet in the interest of the large yellow pine and fir timber specializing business of the company. The booklet is illustrated throughout with scenes from the large operations of the company at Kearny premises and also contains a little talk on yellow pine and fir timber, and the large stocks which the company carry for immediate shipment on short notice. The pamphlet also contains the latest grading rules for Douglas fir, yellow pine, cypress, spruce and the special offerings of the company in the matter of yellow pine and fir derrick timbers and dredge spuds. All buyers of yellow pine and fir timber who require quick and up-to-date service will do well to become acquainted with the facilities of the Trexler Lumber Company through asking for one of these booklets.

\*\*Recent comparative tests made by the Henry S. Spackman Engineering Company, of Philadelphia, of pressed steel and cast iron sash pulleys, show conclusively that perfected steel sash pulleys, as now made standard by the American Pulley Company, far excel in wearing qualities cast pulleys as to-day manufactured by the most responsible makers. The report covers eight pages, and makes interesting reading, showing results of enduring tests, comparative between specimens of the American Pulley Company's sash pulleys and other manufacturers' products.

### THE INFLUENCE OF THE "DISAPPEARING KITCHEN."

The following is an extract from the California State Board of Health's monthly report:

One of the problems of modern city growth is the condensation of the large, comfortable, family, country homes of our forefathers into homes 10 feet by 12 feet by 50 feet piled eight, ten or more high and flanked on either side by similarly condensed homes. These houses can have light only from windows in the front and back sides, and occasionally the diffused light from an air shaft. The only front yard is the fire escape, the only back yard is a narrow porch, and the limited air space made usable by an aerial clothes line. Under these conditions it is to be expected that disappearing beds, gas mantels, and other



similar devices for economizing space will be popular. To meet this demand has come what might be termed the disappearing kitchen. Just as the spacious, well ventilated old bedroom, with its wide-chimneyed fireplace, has been superseded by the small, ily-ventilated room which serves in the added capacity of sitting-room by day, so the great, open, cheerful kitchens of old are being superseded by the twentieth century kitchenette. Limited facilities for cooking and serving meals mean limited range of foods which may be con-

sidered for the table. Through invention and clever application of the scientific principles of food preservation, this limit has been gradually extended until the tin-can dietary may be made to cover nearly all the ordinary demands for proper food, but the cook must know her trade or the family will severely suffer. It is probable that the "disappearing" house plays a large part in the present-day prevalence of many diseases and functional disorders, especially of the alimentary canal.

that they have fulfilled the preliminary conditions of candidacy.

The University reserves the right to grant one of the Scholarships for the year 1912-1913 to a League applicant for reappointment who has done distinguished work. One of these Scholarships will be reserved for a candidate outside of Massachusetts, unless there should be no such candidate whose design in the opinion of the judges is of sufficient merit.

\* \* \*

The preliminary sketches and the final drawings submitted for this Scholarship should be addressed to the Professor of Architecture, Washington University, St. Louis, Mo. The award will be made by that officer and a St. Louis architect representing the League.

Candidates should at once communicate with the Professor of Architecture regarding their eligibility. The successful candidate will be able to enter Washington University as a regular student.

Committee on University Fellowships, Architectural League of America:

ABRAM GARFIELD,

WM. A. BOHNARD,

ALBERT E. SKEEL, Chairman,

Rose Building, Cleveland, Ohio.

\* \* \*

At the annual meeting for the election of officers of the Architectural Club, held in the club rooms at 847 Hamilton Terrace, Minneapolis, the following officers were elected: Theodore Wells pietsch, president; William W. Emmart, vice-president; Wilson Raymond Russell, secretary; Herbert G. Jory, treasurer. An illustrated lecture was delivered by Thomas W. Beadenkoff, of the Public Bath Commission, entitled "The Baths, Ancient and Modern." The annual banquet of the club was held on the evening of May 2nd.

\* \* \*

Alfred Grindle, an Indianapolis architect, addressed members of the Indianapolis Architects' Association at the monthly meeting of the organization held at the Commercial Club. Mr. Grindle talked on "Presentation of Drawings." The final meeting of the association for the season was held May 6th. In addition to the address by Mr. Grindle, members of the association discussed informally the building code completed recently by Building Inspector Thomas A. Winterrowd.

\* \* \*

The St. Louis Architectural Club elected officers recently at its club house, Culverway and Washington Boulevard. Wilbur T. Trueblood gave an illustrated lecture on Spanish architecture. A banquet preceded the lecture, J. J. Roth presiding as toastmaster. These officers were elected for the next year: D. Stephen, Jr., president; E. E. Christopher, first vice-president; Roy O. Chaffee, second vice-president; Henry W. Hall, secretary; S. G. Stout, treasurer; R. W. Maxton and Norman I. Bailey, members of the Executive Board, and E. J. Russell, trustee.

(Continued on page 329.)

## Architectural Notes.

For the year 1912-1913 four Architectural League Scholarships are available, three in Harvard University and one in Washington University, St. Louis. These Scholarships entitle their holders to free tuition for one year, the cost of such tuition being \$150.00. The Scholarships will be awarded to those who stand highest in the competitions in design to be held in May, and who fulfill the other requirements. The competitions will be conducted in the various cities through the organizations affiliated with the League.

\* \* \*

(a) Candidates must have graduated from an approved high school or (b) they must have passed the entrance examinations to the university for whose scholarship they are candidates, or (c) they must bring evidence of equivalent training. They must also have worked not less than two years as draughtsmen in architects' offices, or must be graduates of a recognized institution of learning of college rank, and must be members of an organization associated with the League.

The competition for the Scholarship in Washington University will also be open to students who have not yet entered the Junior class in design in that institution.

Should any candidate successful in the competitions fail to qualify, the candidate next in rank will be appointed.

The successful candidates must bring written recommendations from their last employers and must be endorsed by the chairman of the League Committee on University Fellowship.

Candidates should notify the above chairman as soon as possible of their intention to take part in the competition. The chairman will send such candidates a blank on which the candidate will indicate what his training and education have been.

\* \* \*

The programs were given out May 11th, at 9 A. M., at a place in each city designated by the officers of the local organization or by the chairman of the League Committee on University Fellowship in the case of individual members of the League.

Eight consecutive hours will be allowed for making a preliminary sketch, a tracing of

which will be retained by the competitor, the original being handed to those supervising the preliminary competition.

Supervisors of examinations will endorse the original sketches and send them at once, either to the chairman of the Department of Architecture of Harvard University, or to the Professor of Architecture of Washington University, according to the program developed by the candidate.

The essential features of this sketch are to be adhered to in preparing the final drawings.

\* \* \*

The competitors will have until Monday, May 27th, to complete the drawings called for by the program. The drawings are to be sent in a mailing tube, and must bear the postmark or express stamp of the above date. The drawings of the unsuccessful competitors will be returned.

The name of the designer should not appear on any of the drawings. The sketch and the final drawings should bear some device, a copy of which, with the author's name and address, should be sealed in an envelope and enclosed with the drawings. The competitor must not have any assistance whatever in preparing his drawings and must enclose in his identification envelope a written statement, signed by him, to the effect that the drawings have been made by him alone, without the assistance of other persons.

In judging the drawings, great weight will be given to the qualities shown in the preliminary sketch, as well as in the final drawings.

\* \* \*

Scholarships in Harvard University are for special or for regular students. The preliminary sketches and the final drawings should be addressed to the chairman of the Department of Architecture, Harvard University, Cambridge, Mass. The drawings will be judged by the Professor of Architecture in that University and a Boston architect appointed by the League. The successful candidates will be required to fill out an application blank to be obtained from the chairman of the Department of Architecture, answering certain questions tending to show



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PHILADELPHIA, PA., MAY 15, 1912.

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## Editorial Comment

In an address delivered by the Hon. John B. Rose, of New York, before the National Brick Manufacturers' Association, at Chicago, recently, the brick men were told in pretty plain English the reason why cement has been able to make the considerable inroads it has made upon older and better known structural materials.

"Publicity is the only thing," says Mr. Rose, "which will meet present day conditions. We know that we have a material which is the best. Why not let the world know it? Million of dollars are spent yearly in advertising destructible products, while we have though so little of our product that we have hesitated to make known its good qualities. We have been suffering with a cancerous disease. The publicity of cement and the increasing use thereof has been slowly eating away our manufacturing bodies.

"Do you know that concrete construction is not indestructible? Do you know that it is not inexpensive construction? Do you know that, except in small, cheap and criminally unsafe structures, concrete buildings cannot be built as quickly as brick? What, then, is there about concrete construction which has given it such an impetus throughout the country? Why do you see a vast amount of concrete construction in many towns throughout our States, if it is not cheaper; if it is not indestructible; if it is not fireproof; why has its use been greater day by day? Why has the cry 'Cement is king' been taken up?

"There is only one answer:

"Publicity. A liberal use of printers' ink. "Last year the manufacturers of the Hudson Valley determined that they would begin a campaign of publicity; notwithstanding the fact that they had gone through two years of hard times, they raised \$5,000 for immediate needs and pledged to the committee such other financial assistance as might be required, provided, of course, the original investment demonstrated the wisdom of the plan. We found we had a serious problem right at hand. Under a proposed act of the legislature a new charter for the city of New York was authorized and a committee had been at work upon the draft in anticipation of the enactment of this law. An inspection of the proposed code revealed the fact that someone had curiously left out the word 'brick' in the construction of piers, fortings and in certain walls—that concrete, concrete blocks and other inferior substitutes were specified; in a word, about 50 per cent. of the work where brick had been formerly used, concrete or some other substitute was specified. Rather serious was it not? An annual demand of 1,000,000,000 reduced to 500,000,000. Up to date the code has not been put through; it would have been slipped through had it not been for the watchfulness due to the increasing interest in our plan of publicity.

The next proposition we faced was an advertisement by the city for the construction of twenty-one fire-houses and a number of police stations of concrete—no brick. We immediately took up this task, and suffice it to say, the plans were redrawn, specifications corrected and brick were called for and contracts have been awarded for brick construction—millions of brick to be used where concrete was to have been used. The next one, a much larger proposition, viz., brick construction in subways. It is true we have very little results to show for our efforts in this direction at present, but we can report progress, for already we have secured the use of brick in one section of the work where concrete had been specified.

"I propose that we raise at once the sum of \$100,000 proportionate subscription, if possible, to be based upon gross sales. The organization of a national executive committee to take charge of the same, with a managing member in each state; headquarters in New York and Chicago and some city to be later chosen west of this city. The employment of an aggressive, capable secretary and manager whose duty it shall also be to immediately visit any point where the collapse of a concrete structure is reported, secure photos of the same and such other evidence as might be obtainable from those residents of the town who might be willing to furnish valuable data; that in addition to this, a portion of the fund should be used subsidizing clay product expositions in the larger cities of the country, wherever the executive board might determine they should be held.

"As the East is the stronghold of the concrete interest, an immediate invasion of that territory and the opening of a wide-spread campaign all along the line should be begun. No time should be lost in the organization of such a campaign. Already bills have been introduced in the various state legislatures looking to the exclusion of brick in the various stages of fireproof construction.

"An aggressive fight for the use of brick to-day means the saving of thousands of dollars, yes, I might safely say, millions of dollars to manufacturers in the near future.

"This matter cannot be handled by the National Brick Manufacturers' Association or the Builders' Brick Association, which, by the way, I should mention here and commend for the valuable work that they have done, and which I feel ought to be encouraged by the international organization. Neither can this work be done by the International Clay Products Exposition Company. They have done a great work and are entitled to a consideration, but the proposition which I stand for is one that is independent of every other movement of this kind which has yet been attempted. This money quickly appropriated and wisely expended over a period of twelve



months will create such an interest in the 'Back to Brick' campaign that anyone contemplating the erection of a building will be alive to the dangers of concrete construction, and the superiority of clay products construction over that of all inferior substitutes."

Without endorsing even negatively Mr. Rose's somewhat exaggerated and overdrawn indictment of concrete, one can hardly fail to be impressed by the aggressive note in the argument he offers for a campaign of intelligent publicity upon behalf of brick.

As pointed out in "The Guide" some months ago, the brick interests have long been asleep. It required something more militant than statistics to rouse the brick men to a fitting sense of the necessity for vigorous effort. Here's hoping that Mr. Rose's trumpet call to arms may have the desired effect.

\* \* \*

And while we're on the subject permit "The Guide" to say something to the brick men about the importance of filling the space they buy in the trade press with copy that conveys some idea of the merit of the product. Most brick concerns carry in the trade press an announcement something after this fashion:

The Clay Brick Company, Manufacturers of Pressed and Paving Brick.

Now, with all due respect to the gentlemen who sell brick, an ad of this kind is nothing more than a reminder to the trade that the Clay Brick Company is still in business. And it isn't a very good reminder at that. Suppose the same space contained an announcement like this:

All of the Pressed Brick used in the Commercial Building was supplied by the Clay Brick Company. There's a reason.

Wouldn't the appeal be vastly improved?—the note of reminder sensibly sharpened, the impression of "live wire" methods driven home to the trade with greater force, clearness and effect?

That which is true of brick advertising, is equally true of every other class of trade announcement. To win it must be made attractive. The day of the simple announcement—the mere business card—has gone. Advertising designed to focus the attention of the trade to one house in contradistinction to others engaged in the same line must have about it something distinctive. It must supply the careless reader with some nubbin of fact or turn of expression that will not only stick in his memory, but that will stick there in association with the product of that particular firm.

Space filled this way doesn't cost a penny more than space wasted in the old and now rapidly obsolescent form of announcement. If the advertiser finds himself in the position of having no one connected with his concern with the order of ability to prepare this copy, a word to the trade paper will usually obtain him the desired assistance. "The Guide" is always glad to place the services of its advertising staff at the command of advertisers seeking improved copy, without extra charge,

because "The Guide" has always recognized the fact that in the exact ratio in which advertising is enabled to attract attention—assuming, of course, the entire legitimacy of the proposition it seeks to convey,—in that same ratio will the advertising pay returns on the investment. And be pleased to remember, Mr. Advertiser, that returns are not always enterable as dollars and cents in the way of direct orders. Thousands of sales are closed every year in every line of trade in which advertising plays a deciding part without conscious recognition of the fact upon the part of either buyer or seller. Only recently an architect of some note specified "tapestry" brick under the impression, as he explained to the writer, that the name described the texture of a certain make of brick, instead of its excellently advertised and trade-marked title. Here is a case right in point. What was wanted was not specifically "tapestry" brick, but a brick of that order of finish. Skilful and extensive advertising had so identified the class of brick in question with the name "tapestry" that this particular make was unconsciously specified.

## ARCHITECTURAL NOTES.

(Continued from page 327.)

By arrangement with the Schools of Architecture of the Institute of Technology, Cornell University, Columbia University, the University of Pennsylvania and of Harvard University, the students in the two more advanced classes in these schools have during the last month been working on the same problems in design. By the generosity of Mr. Lloyd Warren, of New York, a first prize in each class was offered. These problems have been judged by a jury of five architects appointed by the schools, consisting of Mr. James Ford Clapp, of Boston; Mr. Paul A. Davis, 3rd, of Philadelphia; Mr. Huger Elliott, of Providence; Mr. R. Clipston Sturgis, of Boston; Mr. A. B. Trowbridge, of New York. The award of the jury was as follows.

First Class—First prize, James R. Edmands, Jr., University of Pennsylvania; honorable mention, F. W. Hastings, U. P.; Howell L. Shay, U. P.; Albert L. Simons, U. P.; mention, Otto E. Adams, U. P.; J. M. Arellano, U. P.; W. Pope Barney, U. P.; G. E. Graves, Harvard; Walter O. Kruse, Cornell; L. W. Slack, Cornell; L. B. Walton, U. P.

Second Class—First prize, M. R. Williams, Cornell; honorable mention, G. E. Brumbaugh, U. P.; I. N. Tilton, Cornell; mention, H. D. Barton, Harvard; I. C. G. Brault, Cornell; R. N. Haas, U. P.; Scott Fullerton, U. P.; E. F. Smith, U. P.

\* \* \*

The Pennsylvania State College, located at State College, Pa., is offering a four years' course in architectural engineering. The courses are designed to supply the fundamental training for the structural architect and engineer. Two years of design are supplemented by a course in structures and allied scientific studies.

## WE CAN'T BUILD FOR THE NEXT CENTURY.

If the contemplated activity of the lumber producers towards bringing back the products of the forest to their old established place as popular building materials, serves only to expose the fallacy of the "build for your grandchildren" idea, it will have been worth the effort.

It is the fashion of our European (and our "fireproof") critics to deplore the transient character of our building. Our frame buildings are constructed just for the generation; our brick and stone merely for a century, says the "American Carpenter and Builder." And even these we raze wantonly to make place for more ambitious, but little less transitory structures. It is true that we must use the most economical and easiest adapted material at hand and of these wood is shortest-lived. We do build for the present rather than for the future, and happily so.

Precisely this is what ails Europe, its enduring structures. If Europe is content to live in the musty, uncomfortable, inconvenient, obsolete homes and business houses of the past it may do so, but we have learned the lesson of progress, have learned that what was good enough for our grandfathers is not good enough for us, and that which serves us will be obsolete in a hundred years or less. Why should we impose an imperishable inconvenience upon our descendants?

The past has yielded us sufficient in the way of unhygienic, ill-lighted, ill-heated, ill-drained, ill-arranged monuments.

There is no need to decry the purely monumental features of past building. But the very cathedrals and towers, castles and aqueducts of European history are interesting because they are obsolete and useless for any present purpose from Notre Dame to St. Paul's, from the tomb of Cheops to the Alhambra in Grenada.

For that matter, where are the proud achievements of past nations of builders? Babylon's hanging gardens, aqueducts and palaces are covered with the ruins of ten successive capitals. Thebes holds up its cyclopean pillars to the desert air. Nineveh, Assur, Tyre, Nippur, Sardis, Alexandria, Pergamus, Miletus and Troy—where are they and their mighty works? These capitals of man's bygone glory attest the futility of trying to build for all time. The ruins of stately Corinth, of gilded Ephesus and of beautiful Argos are now as wasted bones in the hands of the archeologists. Gone are the glories of Athens and the grandeur of Rome, gone the temple of Carthage and the Oriental splendors of Constantinople; vanished the stately pleasure dome of Kublai Khan and the silken delights of Bagdad.

Let us build the best we know how, conscious that those who come after will build better than we know how to build for them.

An advertisement should stick out like a sore thumb without being so sensitive—"Novelty News."



## Spring House Cleaning RATIONALISM OF THE TWENTIETH CENTURY ARCHITECTURE.

By G. ALBERT LANSBURGH, Architect.

[Paper read at the second annual convention of the Architectural League of the Pacific Coast, held at Los Angeles, April 9-10.]

House cleaning time is a bore and a nuisance—it wouldn't be if houses were wired and equipped for the use of Electric Vacuum Cleaners and Electrical household appliances. Builders in wiring their houses should see to it that baseboard sockets are provided in every apartment. The cost is next to nothing at the time and is a constant source of comfort during the life of the property.



### RUUD Automatic Gas Water Heaters

The Novelty of Yesterday  
The Necessity of To-Day

### HILL-CANTON Clothes Drying Cabinets

The Only Dryer that Ventilates  
and is Guaranteed Not to Turn  
Clothes Yellow.

LOW IN PRICE  
ECONOMICAL IN OPERATION

### BARTLETT & CO., Inc.

1938 Market St., Philadelphia

MAKERS OF FURNACES AND  
RANGES SINCE 1843

Make your advertising attractive. Change it now and then. Run a cut in occasionally to lighten up the monotony of raw type. Have something worth saying to fire at your readers. It may cost a trifle more to do it this way, but it pays in the end. And when advertising pays—it pays big.

Rationalism is the formation of ideas produced by reasoning, and depending alone upon logic for its support. Rationalism in architecture is the logical expression of a correct and practical solution, and depends also upon correctness in the aesthetic requirements of the design and correctness in the methods of their construction. Rationalism is a characteristic of any true art, and is a highly developed feature of twentieth century architecture.

In architecture rationalism is that element in the human mind that must bring to an ideal culmination the successful union of the aesthetic and constructive, and these two elements are the principal elements that can give a logical solution to the great architectural problems of the day.

The art of architecture has always been composed of two great principles—the aesthetic and constructive. When these two features have been the simultaneous outgrowth of a developed sense of refinement and a highly scientific knowledge, they have produced an ideal architecture. As an example of this, what more successful treatment is there than the blank side and rear walls of the Pantheon in Paris, whose beautifully studied stone joints are its sole decoration.

Let us analyze these two great elements:

The aesthetic itself is composed of three minor elements, namely—(1) composition (grouping of arrangement and proportion); (2) character, and (3) detail.

The constructive element is secondary, and is a means to the end. This has always been the case, and is especially so to-day, because of the great complexity of the problems with which the architect has to cope, hence the increased importance of this secondary element.

There is no art that so fully and absolutely indicates what the human problems are and how they have been solved as does this art of architecture, for every monument, that is, every successful monument, tells its tale and leaves to the history of the world an indelible phrase for the great architects of the future to read and understand, and thereby know their past.

As compared with the problems of the past ages, the problems of to-day are vastly complex. For example, let us compare the simplicity of the antique monument with that of the monuments of the Middle Ages, and those of the Middle Ages with those of to-day. Some of you may say, "But the Middle Ages were dark ages," and therefore the art of simplicity was lost, but let me add here, that architecturally speaking, there was never a dark age. The Renaissance is nothing more than a period of survival in architecture, rather than a period of revival.

Admitting that rationalism has always, more or less, been a feature of the different styles and periods of architecture, especially so is rationalism the dominant feature to-day, because, in almost every country of Europe and America where the present decade is making such vast strides in the development of a new architecture, although localizing its character to the needs of the respective inhabitants, there is a tendency to, in a measure, adapt all styles and all periods, to a new and economical method of construction.

In the past, however, and up to the time of the steel skeleton, styles have been formed more or less, upon the true stereotomic principles that have been developed throughout the long ages, from the early post and lintel principle of the Egyptians, down to the most complex geometric problems of the French designers.

Now, in speaking of styles, let me define what is "style" in architecture and what is "period." A style in architecture is created by the fundamental principle of construction, characterized by its adaptation to a distinct characteristic aesthetic line. The antique styles have been created by the constructive principle of the post and lintel or straight line. They may be divided into innumerable "periods," such as the Greek period, the Egyptian period, etc. The Roman style has been characterized by the arch or semi-circle. It likewise, has its different periods. The Romanesque is really nothing more than an extremely decadent period of this style. The constructive principle of the so-called Gothic style, is the lancet arch, or two arcs of circles. This style is divided into several periods, such as the "Flamboyant," the "Perpendicular," etc. The Renaissance has for its distinctive constructive line the ellipse, and its divisions are nothing more than historic periods, named according to the epoch or the king under whom it was produced. The dominant principle of construction to-day is the elongated pier. This has been combined with the lintel, the arch, the lancet and the ellipse. Imagine, therefore, the complexity of the problem that now confronts the creators of this new style of the twentieth century, and this required rationalism to be perfected.

All the past styles have been more or less analogous with a country and limited within a certain clearly defined period of years. This present style, or the Rationalistic, is characteristic of America, solely because of the steel skeleton as a new element of construction having been born and being highly developed on American soil.

The twentieth century era in art has shown us in America that every style of the aesthetic is at least attempted in its adaptation



to the great constructive principle that the Occident is supposed to have initiated. It is therefore evident that although the constructive element is well defined, the aesthetic is not yet determined, and the twentieth century or rational style will not become distinctive until these two elements are simultaneously developed and harmoniously wedded. Then will it give to the history of art its beautiful offspring.

It is only the element of rationalism that can produce ideal twentieth century architecture, and undoubtedly that twentieth century architecture will in the future be known as "American." It is only now that the American architect has been able to attempt to create for himself and his country a distinctive architecture. I will admit that up to the present time this architecture has not yet blossomed forth, but its buds are fast making their appearance upon the great architectural tree of the Occident, and at the rate we are now progressing will in no very distant future have blossomed forth into a beautiful maturity, or at least into a healthy youth.

The stereotomic requirements of the past are no longer a principle of the present, and when I speak of the present I am speaking of the American architecture. The steel skeleton has changed the "poche," or the expression of the plan. Where huge masses of stone were required for the expansion of pressure upon the bases of support, the steel frame has minimized this "poche," and the character of the plans will necessarily be judged by the rational expression of the two great elements of design, the aesthetic and constructive, harmoniously combined.

The stereotomic indication of stone joints, etc., in stucco or brick, or of stone ashler, which is hung upon a steel frame, is an architectural lie, since it gives the impression of being self-supporting. These faults, when obliterated, will develop the required aesthetic.

We are all too apt to copy from the past instead of inspiring ourselves from the successes of antiquity in order to create. By blindly helping ourselves to fragments from this or that masterpiece, we will never produce more than a "potpourri." We will never create or evolve a style by this tendency. Did Greece borrow from Egypt, or did she inspire herself? Did Rome borrow from Greece, or did she ask instruction? Did France in the Gothic period borrow from decadent Rome, or in the Renaissance period help herself to Italian fragments? No, these styles were all of them logically evolved by studious and continued efforts refined by inspirations, if you will, but decidedly not by plagiarism. We likewise must thoughtfully and studiously strive to attain our goal, and we likewise may seek inspiration from the glories of the past.

The masters of the great schools of the world are to-day teaching a local expression of requirements and their rational solution. We do not to-day speak of a period in our present architecture, although most of us have become slaves to a particular period or ex-

pression that may be adapted to the American needs. But these periods of style, unless they can be rationally expressed in the construction of to-day, are wrong in principle, and as such are condemned by the great modern teachers.

Fads have always been prevalent, and fads have always caused the birth of the embryo of a style. American architecture is at present full of fads. Although most of them are faulty, there are some that are bound to develop the so-called "Twentieth Century Embryo," viz., the elongated pier, the disproportionate cornice, etc. Although at present called a fad, this fad is nothing more or less than an attempt to connect frankly the method of construction with the aesthetic, as at present understood and as logically arranged as it may be possible to reconcile a foreign or exotic style with the ultra occidental construction.

One of our great problems is nothing more or less than the principle of clothing the skeleton with a suitable gown in the form of an agreeable and attractive protection against the elements.

Another fad that seems to have crept into our very recent architecture is the excessive use of columns. Puerile simplicity in design, devoid of a mature thought—an absolute lack of one of the principal elements of the aesthetic—viz., character, has marked the "projects" of most competitors of the last few years.

Let us decry this tendency to accept as a successful simplicity nothing more nor less than an affected and sought-for banality. A beautiful simplicity is the outgrowth of a successful and logical design. It has never been created by being sought for. It comes of itself. It is the natural result of success.

As to the second failure of American designs of late, let us consider that all-important requirement, character. Character has never been successfully indicated by any other methods than logic and a refined expression, an understanding of the problem at hand. To-day we see museums, temples of justice, court houses, auditoriums and educational buildings, all of them nothing but a plain classical colonnade, and when I say "classical" I must apologize to those great ancients, because as a rule there has been an exceedingly marked discrepancy in proportion. Occasionally we may see a colonnade broken by a pavilion at the center; at other times there may be pavilions at the extremities, and still again there may be pavilions at both the center and the extremities. But it seems that the real architectonic use of material, the treatment of plain surfaces decorated only by their stereotomic indication of construction, has been cast aside. Why? Because it is much more difficult to design by using these elements than by borrowing from the classical past; more difficult to create than to plagiarize.

Now, there can be no doubt as to which tendency we are to accept in order to reach our goal. There is but one choice between plagiarism and rationalism. "Rationalism"

is to be our guiding power, for rationalism alone can mould these elements, the aesthetic and constructive, into a great and lasting twentieth century American architecture.

### THE TAPESTRY VOGUE.

Decorators say that a taste for tapestry, like a taste for olives, is oftener than not acquired. For instance, twenty years ago a New York woman about to furnish her new house told the decorator that she "wouldn't have the ugly thing for a gift," the "ugly" thing being a 10x12 foot Flemish wall tapestry of somber tone and heraldic design; price \$10,000, says the "Southern Furniture Journal." The decorator recommended it for the dining room, but she would not even consider it. So her house was fitted up with modern things very beautiful and costly, to the exclusion of tapestries, ancient or modern.

To-day this woman, who meanwhile has rummaged a good deal in the art centers of Europe, would willingly pay twice \$10,000 for the rejected tapestry, now the property of a New Yorker who sooner acquired the tapestry taste, and her house contains costly tapestry panels, friezes and screens of which she is very proud, although she still entertains mental reservations as to their beauty.

This, the decorator said, is not an unusual case. The vogue of tapestries developed recently in America, and not confined to the wealthy, is not due to a unanimous opinion as to their beauty. In his opinion average buyers include tapestries in their furnishings as they include olives in their menu, because such things are expected of persons who would keep up with the fashions.

Among persons of average means the vogue of tapestry is shown by the use of costly antiques, but of reproductions made in Europe and in this country, extending even to cotton machine made weaves. In fact, it is to meet the demand for tapestries at moderate prices that cotton French and American tapestries are now included in the stock not only of firms dealing exclusively in upholstery goods, but also of department stores. These tapestries include panels of many sizes and patterns by the yard for friezes and door framing which in design and colors are imitations of Gobelins, Aubussons and other famous makes. As a rule, the French cotton imports cost less than the American cottons.

### THE BUILDING OF HOMES.

Dwelling houses may be constructed of anything from paper to concrete. When built of paper they consist of ground plans, front elevations and mortgages. When they progress to something more substantial they do not resemble in any way the front elevation or the ground plan of the paper stage and are therefore disappointing in these particulars. The mortgage, however, always comes up to expectations. The houses of the elect may be distinguished by the butler's pantry, the middle classes by the reception hall, and those of the hoi polloi by the parlor. Houses



are useful to eat in, sleep in, bathe in, dress in, hide in, be seen in, die in, store junk in, insure and burn down. Dignity in houses is typified by a parking enclosed English country place, romance by a Southern planter's mansion, poetry by a rose embowered cottage and humor by a modern flat.—Life.

### NOTED ARTIST TO BE AN ADVISOR

Joseph Pennell, an etcher of world renown, and considered one of the leading artists, goes to San Francisco by invitation of C. C. Moore, president of the Panama-Pacific Exposition. He has been asked by the exposition directors to act in an advisory capacity and give them the benefit of his knowledge of architectural designs.

Pennell came direct from Rome via Panama and will be in consultation with the exposition officials for some time. By taking the route across the isthmus the artist was able to do some sketching in the canal zone, and this work will appear in magazines in this country and Europe. He is a constant contributor to "London Gossip" and the "Strand," and a large number of American publications. He was on the jury of awards at the recent exhibition of arts in Rome, and is considered an authority on designs.

Besides winning fame by making etchings such as "London and Fog" and "Pittsburgh's Smoke," Pennell has won a number of first prizes at the expositions in Paris, Buffalo, St. Louis and Chicago. One of his best known series is "Cathedrals of Italy."

### THE IMPORTANCE AND COST OF CEMENT TESTING.

Although the importance of testing is generally recognized by the large consumers of cement, especially those engaged in constructing public works, its value, even to the present time, is not always apparent to the consumer of small quantities. It must be remembered that cement is an artificial product made by mixing certain ingredients and then treating the mixture in a complex mechanical process, so that, even if the greatest care is exercised, as it is in the best plants, certain variation in quality must necessarily exist. The ingredients are not by any means constant in composition, and hence both the proportions of the mixture and the treatment of manufacture must be continually changing. It is accordingly unreasonable to expect that any cement should invariably be uniform in its qualities and properties. The older plants have a certain advantage of experience over the newer ones, but, even in these, occasional batches of inferior cement are produced and allowed to get on the market. In the writer's laboratory all the well-known eastern brands of cement are constantly being tested, and no one of them has escaped occasional rejections.

Reliable manufacturers generally take every precaution to prevent defective cement from leaving the mill, and make most careful tests to that end, but these tests are subject first

to possible laboratory errors of sampling and manipulation and secondly do not and can not take into account the alteration in its properties that the cement undergoes under certain conditions after leaving the mill, writes W. Purves Taylor in "The Architect and Engineer." These variation and irregularities in the cement unavoidable in manufacture and not always discovered by mill tests, and which may be vital to the integrity of the finished structure, show the importance and the necessity for cement testing.

It is often argued that while testing is necessary for larger engineering works it is not as necessary for the smaller consumers—those erecting small buildings, making concrete blocks, or laying sidewalks—while, as a matter of fact, it is especially important in these cases, for if there is any particular difference in the quality of the material at the mill, it may be taken for granted that the poorer cement will be sold where it will not be tested. Even the cement rejected on the large works is generally sold to a dealer or small consumer. The trouble and cost of testing may at first make it seem almost prohibitive, but after a user of cement has begun testing and has found the freedom it gives from trouble on the work, and has felt the assurance that all his structures are safe and permanent, he realizes its value and invariably continues it.

The fact that poor concrete may be made from the best cement by reason of the use of an indifferent quality of aggregate or by careless mixing and placing, is no argument against testing cement, but rather one for it, because careful inspection during construction will readily detect and correct these conditions but no field inspection can prevent the use of inferior cement. A user of cement who desires the best quality of materials must therefore depend upon laboratory tests.

At the present time, however, it is almost unnecessary to advocate cement testing, for its importance has become so generally recognized that all important works regard it as an essential accompaniment to concrete work. The vast amount of cement now used requiring tests and the ensuing competition for decreased cost in testing has led, however, to an unfortunate condition in the testing itself.

Cement testing is a difficult process requiring experience, care, precision and knowledge, and hence should only be entrusted to well qualified men, but only too often this important work is relegated to utterly untrained and careless operators and the results obtained by such methods are really worse than nothing, as they often are positively misleading.

It should be recognized at once that if cement tests are made it is worth while to make them well, even at possibly a somewhat increased expense. A properly made cement test complete is worth to any commercial laboratory from eight to ten dollars a sample, with chemical testing at from a dollar and a half to two dollars per ingredient extra. Accurate appliances, experienced trained operators, and intelligent oversight cannot be used if the cost is materially less, unless under exceptional

conditions, and, without this accuracy in the work, tests have but little value. When a large laboratory is installed directly on the site of construction, testing many samples a day, with no charge for collecting the samples, and running at no profit it may be possible to test cement for as low as from one to two cents a barrel, but for the ordinary concrete jobs it cannot be expected to cost much less than four or five cents a barrel.

In conclusion: Well-made tests of cement are of the greatest importance and value to every consumer of cement, but they must be made with the greatest care, and only by responsible and trained men. If so made, the tests are well worth the time and trouble they cost. A cheaply made test, however, is liable to prove an expensive investment.

### SPECIFICATIONS FOR A GOOD ENGINEER.

"A good engineer must be of inflexible integrity, sober, truthful, accurate, resolute, discreet, of cool and sound judgment, must have command of his temper, must have courage to resist and repel attempts at intimidation, a firmness that is proof against solicitation, flattery or improper bias of any kind, must take an interest in his work, must be energetic, quick to decide, prompt to act, must be fair and impartial as a judge on the bench, must have experience in his work and dealing with men, which implies some maturity of years, must have business habits and knowledge of accounts. Men who combine these qualities are to be picked up every day. Still they can be found. But they are greatly in demand and when found they are worth their price; rather, they are beyond price and their value cannot be estimated by dollars."—Chief Engineer Sterling's Report to the Mississippi Levee Commissioners.

### REAL ESTATE TRANSFERS.

Summary for week ending May 11, 1912:	
Number of transfers .....	650
Amount of transfers .....	\$3,322,464.80
Cash consideration .....	585,765.00
Mortgage consideration .....	2,736,699.80
Ground rent consideration .....	3,339.40
Which on a 6 per cent. basis amounts to .....	55,656.68

## PATENTS

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Box 500 Willson Bldg. WASHINGTON, D. C.

Mention "The Builders' Guide."



# Reference Directory for Architects, Builders and Owners

## Artists' and Architects' Supplies.

F. Weber & Co., 1125 Chestnut st., Phila.

## Architectural Iron and Metal Work.

John L. Gaumer Co.,  
22d and Wood sts., Phila.

## Awnings

Bernard McCurdy,  
N. E. Cor. 9th and Arch sts., Phila.

## Brick (Face, Etc.)

United Brick and Clay Products Co.,  
Morris Bldg., Phila.  
O. W. Ketcham, Builders' Exchange, Phila.

## Brick Renovating.

Adolph Christensen,  
1433 Brown st., Phila.

## Bank and Office Fixtures.

Stephen F. Ketran, 312 S. 24th st., Phila.

## Blue Prints

Blue Print Co., 1516 Chestnut Street, Phila.

## Boilers and Stacks.

Lindemann Engineering Co.,  
Drexel Bldg., Phila.

## Brass and Bronze Work.

John L. Gaumer Co.,  
22d and Wood sts., Phila.

## Builders.

Pomeroy Const. Co., 1609 Ranstead st., Phila.

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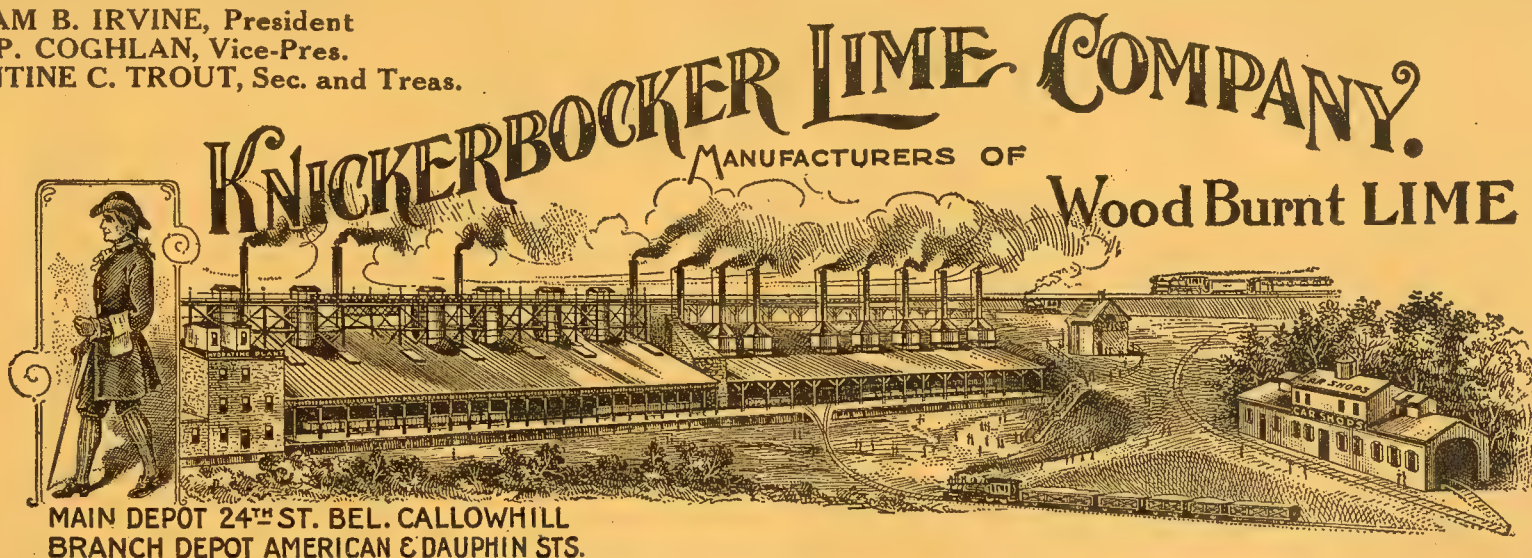
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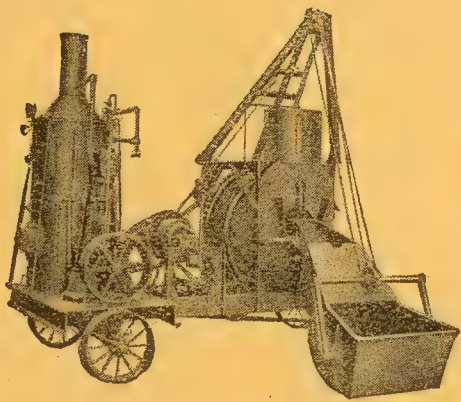
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Vol. XXVII., No. 21.

PHILADELPHIA, WEDNESDAY, MAY 22, 1912.

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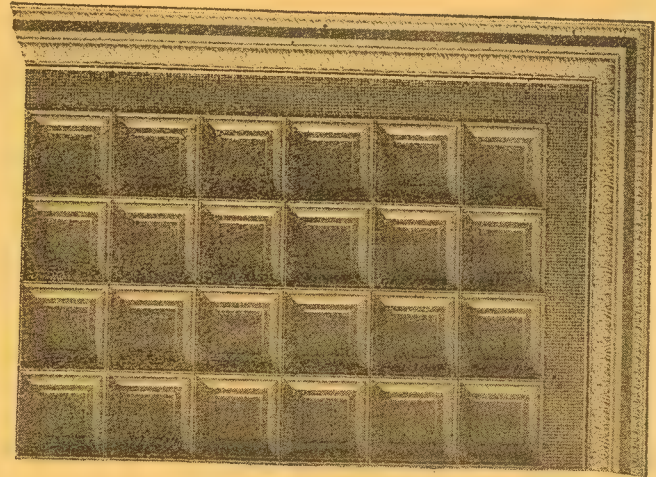
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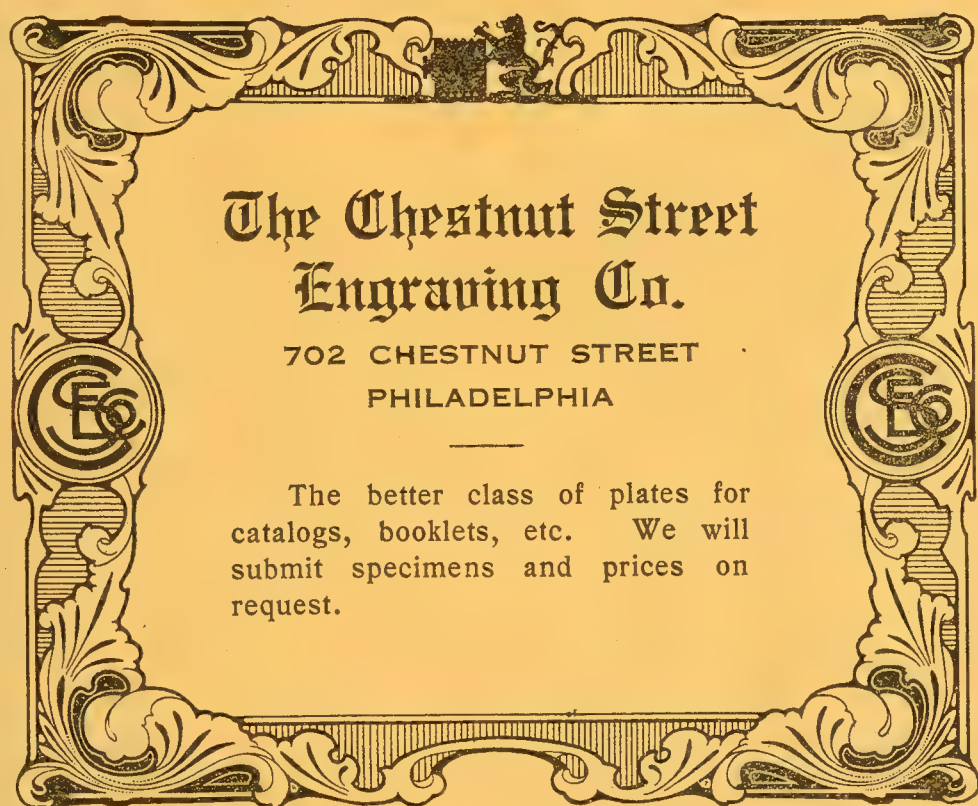
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# Builders' Guide

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXVII., No. 21.

PHILADELPHIA, WEDNESDAY, MAY 22, 1912.

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## Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Residence**, Atlantic City, N. J. Architect, M. H. Dickinson, 1524 Chestnut street. Owner, W. W. Dickinson, Atlantic City, N. J. Brick and frame, three stories, 23x35 feet. Slate roof, hardwood floors, steam heat, electric lighting. Architect has received bids.

**Residence**, Penn Grove, N. J. Architect, Charles W. Denny, 1524 Chestnut street. Owner, L. W. Cook, Penn Grove, N. J. Brick, three stories, 28x34 feet. Asbestos shingle roof, electric lighting, hardwood floors, heat (reserved). Architect has received bids.

**Factory (alt. and add.)**, Allegheny and Trenton avenue. Architect, Charles W. Denny, 1524 Chestnut street. Owners, Brehm & Stehle, on premises. Brick, three stories, slag roof, steam heating. Architect taking sub-bids.

**Loft Building**, Filbert and Hutchinson streets. Architect, F. Webber, Morris Building. Owner's name withheld. Brick, fireproof, five stories, 60x75 feet. Slag roof, electric lighting, steam heating, hardwood floors. Architect has received bids.

**Office Building (alt. and add.)**, 24 to 28 South Fifteenth street. Architect, Walter Smedley, Stephen Girard Building. Owner, A. W. Vollmer, Bailey Building. Brick, five stories, steam heating, electric lighting. Architect has received bids.

**School (alt. and add.)**, Wyncote, Pa. Architect, H. C. Wise, 34 South Sixteenth street. Owners, Board of Education of Cheltenham Township. Consists of interior alterations. Plans completed. Architect ready for bids.

**School**, Keyport, N. J. Architect, private plans. Owners, Board of Education of Pitman, care of District Clerk, Dr. C. B. Phillips. Brick, three stories, slag and slate roof, electric lighting, steam heating. Owners taking bids, due May 28th. Abel Bottoms & Sons, 41 South Fifteenth street, is figuring.

**Bank Building**, Second and Chestnut streets. Architect, Horace Trumbauer, Land Title Building. Owners, Corn Exchange National Bank, on premises. Brick, limestone, granite, terra cotta, four stories, 45x76 feet. Tile, cooper roof, steam heating, electric lighting, elevators. Architect taking bids, due May 24th. The following are figuring: J. E. & A. L. Pennock, Land Title Building; G. F. Payne & Co., 401 South Juniper street; Doak & Co., Crozer Building; Fuller Construction Company, Morris Building; William Steele & Sons Co., 1600 Arch street; H. E. Baton, Tenth and Sansom streets; Cramp & Co., Denckla Building.

**Building (alt. and add.)**, southwest corner of Twelfth and Market streets, \$50,000. Architects, Sauer & Hahn, 1118 Chestnut street. Owners, Continental-Equitable Trust Company. Lessees, Bedell Company, 14 West Fourteenth street, New York City. Consists of new front and interior alterations. Architects have received bids.

**Stable and Garage**, Bellevue, Del. Architects, McIlvain & Roberts, Land Title Building. Owner, Richard Sellers, Racquet Club, Philadelphia. Stone, two stories, shingle roof, hot water heating, electric lighting. Architect taking bids. Graham-Campion Co., Heed Building, is figuring (only bidders).

**Station and Freight House**, Salem, Ohio. Architect, M. A. Long, Baltimore, Md. Owners, Baltimore & Ohio Railway Company. Brick, concrete and frame, one story, 81x28 feet and 30x80 feet. Electric lighting, slate and slag roof. Architect taking bids. The following are figuring: Roydhouse-Arey Co., Fidelity Building; Irwin & Leighton, 126 N. Twelfth street.

**Rectory**, Bradley Beach, N. J. Architect, George I. Lovatt, 421 Walnut street. Owner, J. J. O'Hara, Bradley Beach, N. J. Stone, three stories, 40x50 feet. Slate roof, hot water heating, electric lighting. Architect taking bids, due May 23rd. The following are figuring: M. L. Conneen, 315 South Twentieth street; J. Maher, Trenton, N. J.; W. Wrifford, Camden, N. J.; W. J. McShane, 417 South Thirteenth street; I. W. Taylor, Asbury Park, N. J.; William R. Dougherty, 1604 Sansom street; A. Bottoms & Sons Co., 41 South Fifteenth street.

**Laboratory**, Vineland, N. J., \$35,000. Architects, Moffett & Stewart, Jessup Building, Camden, N. J. Owners, New Jersey Training School, Vineland, N. J. Brick, stone, two and one-half stories. Slag roof. Plans in progress.

**School Building**, Glassboro, N. J., \$35,000. Architects, Moffett & Stewart, Jessup Building, Camden, N. J. Owners, Board of Education of Glassboro, N. J. Brick and stone, two and one-half stories, 8 rooms. Slag roof, electric lighting. Plans in progress.

**School Building**, Pitman, N. J., \$12,000. Architects, Moffett & Stewart, Jessup Building, Camden, N. J. (Add.) two stories and basement, brownstone. Architects taking bids, due May 28th. The following are figuring: D. H. Sharp, 39 North Third street, Camden; Wm. Wrifford, 525 Market street,

Camden; Boyer & Lewis, 307 Market street, Camden; J. Steelman, Bridgeton, N. J.; W. A. Lacy, Richwood, N. J.; A. Bottoms & Son Co., 41 South Fifteenth street.

**Town Hall**, Riverside, N. J., \$8,500. Architects, Miffett & Stewart, Jessup Building, Camden. Owners, Township of Riverside, N. J. Brick, one and one-half stories, slate roof, hot air heating. Architects have received bids.

**Mercantile Building**, Juniper and Vine streets. Architects and builders, William Steele & Sons Co., 1600 Arch street. Owners, Goodman Bros., 1238 Callowhill street. Brick and terra cotta, ten stories, 100x151 feet. Slag roof, electric lighting, steam heating, elevators. Builders taking sub-bids.

**Y. M. C. A.**, Pottstown, Pa., \$75,000. Architects, Lachman & Murphy, Witherspoon Building. Owners, Y. M. C. A., of Pottstown, Pa. Brick and terra cotta, fireproof, four stories. Plans in progress. Too early for details.

**Hotel**, Crescent Valley, Pa. Architects, Koelle Speth & Co., Twenty-sixth and Oxford streets. Owner, Adam Lutz, 7673 Germantown avenue. Stone, two stories, 50x50 feet. Slag roof, electric lighting, hot water heating. Owner taking revised bids, due in a few days. The following are figuring: E. J. Kreitzburg, 1345 Arch street; H. Schneider, 1209 Erie avenue; Appleton & Burrell, 1204 Chancellor street.

**Church**, State College, Pa. Architect, Albert Kelsey, Perry Building. Owner, State College Presbyterian Church. Brownstone and Indiana limestone, one story, 45x125 feet. Steam heating, slate roof, electric lighting. Architect taking bids, due May 27th. The following are figuring: George F. Payne & Co., 401 South Juniper street; J. W. Emery, 1524 Sansom street; Alex. Plesh, Lockhaven, Pa.; H. Friedel, Lockhaven, Pa.; A. C. Everhart, Williamsport, Pa.; H. Miller, Bellefonte, Pa.

**Residence (alt. and add.)**, 4213 Chester avenue. Architect, R. E. White, Pennsylvania Building. Owner, M. K. Harr, 4213 Chester avenue. Stone, three stories, ten and slate roof, electric lighting. Architect taking bids, due May 24th. The following are figuring: J. Myers & Son, Witherspoon Building; W. H. Eddleman, 453 Green lane; A. Chambley, 243 South Tenth street; H. E. Grau, 1707 Sansom street; A. Whitehead, 1624 Cairner street.



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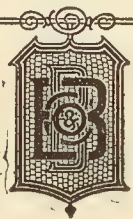
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N. E. Cor. 22d and Wood Streets

Bank (alt.), northwest corner of Seventh and Dauphin streets. Architect, Guy King, 1513 Walnut street. Owners, Northern National Bank, on premises. Marble and cabinet, interior alterations. Plans in progress.

Theatre, Broad and Snyder avenue, \$100,000. Architect, A. E. Westover, Keith Building. Owners, Company, care of J. W. Gardiner, 1100 Tasker street. Brick, steel and terra cotta, two stories. Slag roof, steam heating, electric lighting. Plans in progress. Architect will soon take bids.

Post Office, Muskagee, Oklahoma. Architect, J. K. Taylor, Washington, D. C. Owners, United States Government, Treasury Department, Washington, D. C. Stone, three stories, 100x200 feet. Steam heating, electric lighting, copper tile roof. Owners taking bids, due June 5th. J. E. & A. L. Pennock, Land Title Building, are figuring.

Bank, Dayton, Ohio. Architect, Albert Pretzenger, Dayton, Ohio. Owners, City National Bank, Dayton, Ohio. Brick, concrete, nine stories, 34x62 feet. Slag roof, electric lighting, steam heating. Architect taking bids, due May 27th. Charles McCaul Company, Tenth and Sansom streets, is figuring.

Office Building, 222-24 South Seventh street. Architects, Furness Evans & Co., Fourth and Chestnut streets. Owners, American Gas Company, 222 South Third street. Brick, fireproof, five stories, 28x125 feet. Electric lighting, steam heating, slag roof. Plans about completed. Architects ready for bids in a few days.

Store (alt. and add.), southwest corner of Eighth and Pine streets. Architects, B. J. Medoff & Son, 524 Walnut street. Owner, Dr. Leon Effron, on premises. Brick, two stories, tin roof, electric lighting, hot water heating, marble. Owners taking bids.

Store House, Milnor and Robbin streets. Architects, private plans. Owners, Philadelphia Electric Company, Tenth and Chestnut streets. Brick, one story, 25x50 feet. Slag roof. Owners taking bids, due May 25th. The following are figuring: J. R. Wiggins, Heed Building; T. C. Trafford, 1613 Sansom street; Charles Gilpin, Harrison Building.

Residence, Ardmore, \$15,000. Architect, Charles B. Keen, Bailey Building. Owner, A. Reed McIntyre, 723 Sansom street. Stone, two and one-half stories, 40x56 feet. Shingle roof, warm air heating, electric lighting, hardwood floors. Architects taking bids, due May 24th. The following are figuring: George L. Croll, Rosemont, Pa.; R. C. Ballinger, 218 North Thirteenth street; M. W. Young, Overbrook; A. L. Fretz, 1222 Chancellor street; T. M. Seeds, 1207 Race street; Frank R. Heavener, Norristown, Pa.

Store and Residence, 226 Race street. Architect, B. J. Medoff & Son, 524 Walnut street. Owner, Harry Halkin, 246 Race street. Brick, three stories. Slag roof, electric lighting, hot water heating. Owner taking bids.

Residence (alt. and add.), Chestnut Hill, Philadelphia. Owner, Howard S. Grahams, 435 Chestnut street. Architects, Stewardson & Page, 320 Walnut street. Stone, three stories, steam heating, slate roof, electric lighting. Architect taking bids, due May 27th. The following are figuring: Stacey Reeves & Son, 1611 Filbert street; William R. Dougherty, 1604 Sansom street; J. S. Cornell

& Son, Land Title Building; Carr & Hinkle, 5822 Germantown avenue; F. E. Wallace, 1210 Sansom street.

Armory (alt. and add.), Broad and Callowhill streets. Architect, private plans. Owners, First Regiment Infantry Association, N. G. P. Reinforced concrete, hardwood floors, interior alterations, 135x150 feet. E. E. Hollenbach, Fifteenth and Race streets, taking sub-bids, due May 24th.

Residence (alt. and add.), School House lane, Germantown. Architect, H. Trumbauer, Land Title Building, Philadelphia. Owner, W. W. Wagner, on premises. Stone and plaster, three stories, limestone trimmings, hot air and hot water heating, electric lighting, shingle and slate roof, hardwood floors. Architect taking bids, due May 22nd. The following are figuring: William R. Dougherty, 1604 Sansom street; G. F. Payne & Co., 401 South Juniper street; Sam Harting, 20 East Johnson street; H. L. Brown, 1714 Sansom street.

Residence, Brielle, N. J. Architect, Bart. Tourison, Land Title Building. Owner, Marion Schroeder, care of architect. Terra cotta and plaster, two stories, 57x35 feet. Two wings, 30x20 feet. Electric lighting, shingle roof, hardwood floors. Plans in progress.

Factory, Beach and Evans streets, Pottstown, Pa. Architects, Ballinger & Perrot, 1211 Arch street. Owner, S. Liebovitz & Sons, Pottstown, Pa. Brick, stone, three stories, 90x127 feet. Slag roof, electric lighting, steam heating. Architects are taking bids, due May 24th. The following are figuring: Haibach Contracting Co., Twenty-sixth and Thompson street; William R. Dougherty, 1604 Sansom street; J. W. Ferguson, Paterson, N. J.; Beard Construction Company, Reading, Pa.; L. H. Focht, Reading, Pa.

Residence, St. Davids, Pa., \$100,000. Architect, D. K. Boyd, Fifteenth and Walnut streets. Owner, Charles S. Walton, Third and Vine streets. Stone, two and one-half stories, 125x60 feet. Tile roof, electric lighting, hardwood floors. Atmospheric heat. Plans in progress.

Post Office (remodeling), Chester, Pa. Architect, J. Knox Taylor, Washington, D. C. Owner, United States Government, Treasury Department, Washington, D. C. Brick and stone, fireproof floors, two stories, slate roof, steam heating, electric lighting. Owners taking bids, due June 27th, 3 P. M.

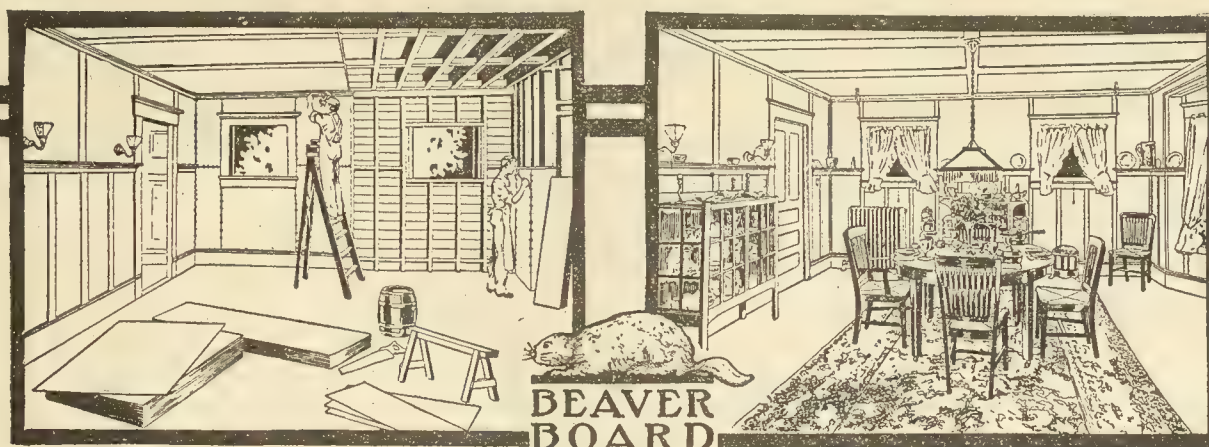
Factory, Germantown avenue and Master street. Architects, Anderson & Haupt, Drexel Building. Owner, Louis Feldman, care of architects. Brick, three stories, 60x70 feet. Electric lighting, steam heating, slag roof. Plans in progress.

Store and Residence, 331 Lombard street. Architect, B. J. Medoff & Son, 524 Walnut street. Owner, Louis Comitta, on premises. Brick, three stories, slag roof, electric lighting, hot water heating. Owner taking bids.

Residence, Pitman, N. J. Architect, Simon & Bassett, 1118 Chestnut street. Owner, Joseph Repp, care of architects. Stone, two and one-half stories, 40x34 feet. Slate roof, electric lighting, hot air heating, hardwood floors. Plans in progress.

Club House (alt. and add.), Germantown avenue and Penn street, Germantown, Philadelphia. Architect, private plans. R. T. Nichols, Drexel Building. Owners, German-





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town Boys' Club, on premises. Brick, one story, 55x79 feet. Slag roof. Owners have received bids.

**Garage (alt. and add.),** 3819 Walnut street. Architects, Baker & Dallett, 1629 Chestnut street. Owner, Herbert D. Allman, on premises. Brick, two stories, electric lighting, tin roof, hot air heating. Architect taking bids, due May 21st. The following are figuring: J. P. Thompson, 1432 South Penn Square; Mitchell Bros., 2125 Race street; Burd P. Evans & Co., Thirteenth and Wallace streets; Bowers & Logan, 2010 Chancellor street; Metzger & Wells, Heed Building; C. Pace, Merion, Pa.

**Synagogue,** 3436 Paul street, Frankford. Architect, L. V. Scherr, 553 North Lawrence street. Owner, Hebrew Congregation, Frankford. Brick, two stories, 30x53 feet, slate roof, steam heat, electric light. Architect has received bids.

**Residence,** Eighteenth and Race streets. Architect, H. D. Dagit, 411 Walnut street. Owner, Archbishop E. F. Predegast, 223 West Logan Square. Stone, three stories, 52x100 feet, hardwood floors, electric lighting, steam heat, tile roof, electric elevator. Revised plans about completed.

**Residence,** Wyndmoor, Pa. Architects, Morris & Erskine, Crozer Building. Owner's name withheld. Stone, two and one-half stories, 40x35 feet, slate roof, electric light, hot water heating. Revised plans about completed.

**Residence,** Haddonfield, N. J. Architects, Morris & Erskine, Crozer Building. Owner's name withheld. Hollow tile and concrete, two stories, 46x36 feet, slate roof, electric light. Revised plans about completed.

**Office Building (alt. and add.),** Forty-fourth and Thompson streets. Architects, Ballinger

& Perrot, 1211 Arch street. Owners, Chal-fonte Bros., on premises. Brick, two stories, electric light, slag roof. Architect taking bids due May 24. The following are figuring: William R. Dougherty, 1604 Sansom street; William R. Brown, 2145 East Firth street; Appleton & Burrell, 1204 Chancellor street; Irwin & Leighton, 126 North Twelfth street; Philip Haibach, Twenty-sixth and Thompson streets.

**Store Building (alt. and add.),** Media, Pa. Architect, Brazer & Robb, 1133 Broadway, New York City. Owner, Henry D. Snowden, Jr., Media, Pa. Brick, three stories, electric light, tile roof. Architect taking bids due May 23. J. B. Flounders, 1329 Arch street, is figuring.

**Building (alt. and add.),** 519 Market street. Architect, private plans. Owner, J. W. Rosenberg, Broad and Walnut streets. Brick, five stories, electric light, steam heat. Lam Building Company, 1001 Wood street, is taking sub-bids.

**Building (alt. and add.),** 45 and 47 North Thirteenth street. Architects, Sauer & Hahn, 1118 Chestnut street. Owner, Harry A. Sanders, care of architect. Brick, four stories, Architect taking bids due May 25. The following are figuring: Smith Hardican Company, 1606 Cherry street; Lam Building Company, 1001 Wood street; F. A. Havens & Co., 845 North Nineteenth street; Harry Gill, 2200 Germantown avenue; J. S. Wilson & Co., 1125 Brown street; H. C. Dahl, 231 South Eighth street.

**Residence,** Wildwood, N. J. \$10,000. Architects, Moffett & Stewart, Jessup Building, Camden, N. J. Owner, Hon. F. P. Baker, Wildwood, N. J. Frame an stucco, two and one-half stories, shingle roof, hot water heating. Plans about to be started.

**Mill (alt. and add.),** Germantown, Philadelphia. Architects, Webster & Gibson, Harri-

son Building. Owner, John and James Dobson, on premises. Brick, one story addition, 20x30 feet, electric light, slag roof. Architect taking bids due May 22. The following are figuring: P. J. Hurley, 1233 Cherry street; M. Monaghan, 214 South Twelfth street; Brown Construction Company, Parkway Building, Broad and Cherry streets.

**Building (alt. and add.),** 520-22 South Ninth street. Architect, Mantle Fielding, 518 Walnut street. Owner's name withheld. Brick, four stories, tin roof (electric light and steam heat) reserved. Architect taking bids

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due May 24. William R. Dougherty, 1604 Sansom street is figuring.

**Freight House**, Youngstown, Ohio. Architect, H. A. Long, Baltimore, Md. Owners, New Castle Division, Baltimore and Ohio Railroad Company. Brick, frame and concrete, one and two stories, 35x257 feet, 22x190 feet, 16x190 feet. Slag roof, freight elevators, electric lighting, steam heating. Architect taking bids, due May 30th. The following are figuring: Roydhouse Arey Company, Fidelity Building; Irwin & Leighton, 126 North Twelfth street.

**Factory (add.)**, Camden, N. J. Architects, Ballinger & Perrot, 1211 Arch street. Owners, Victor Talking Machine Company, Camden, N. J. Brick and concrete. Too early for details. Plans in progress.

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**Power House**, Danville, Va. Architect, Seofield Engineering Company, Arcade Building. Owners, Municipal Electric Company, Danville, Va. Brick, one story, 100x87 feet. Slag roof. Revised plans in progress.

**Post Office (alt. and add.)**, Williamsport, Pa. Architect, J. Knox Taylor, Washington, D. C. Owners, United States Government, Treasury Department, Washington, D. C. Stone, two stories, electric lighting, steam heating. Owners taking revised bids, due June 13th. The following are figuring: B. P. Evans, Thirteenth and Wallace streets; H. E. Baton, Tenth and Sansom streets.

**Garage**, Overbrook, Pa. Architects, Shore & Dodge, 608 Chestnut street. Owner, Mrs. Winthrop Knowles, Overbrook, Pa. Brick,

two stories, 34x22 feet. Slate roof, electric lighting. Architects taking bids, due May 31st. The following are figuring: Gray Brothers, Rosemont, Pa.; Doyle & Co., 1519 Sansom street; Owen Fogarty, 1918 Cherry street; M. W. Young, Overbrook, Pa.; R. W. Strode, 12 North Nineteenth street.

**Store Building (alt. and add.)**, Fifth and South streets. Architects, Magaziner & Potter, 37 South Fifth street. Owner, A. Berkovitz, on premises. Brick, three stories. Architects taking bids, due May 27th. The following are figuring: H. E. Grau Company, 1707 Sansom street; S. Schultz, 920 Moyamensing avenue; George Hogg, 1634 Sansom street; J. W. Sanders, 18 South Seventh street; F. E. Wallace, 1210 Sansom street.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Loft Building**, Randolph and Wood streets. Architects, Peuckert & Wunder, 310 Chestnut street. Owner, Berko Brothers, 327 North Randolph street. Brick, concrete, five stories, 62x86 feet. Steam heating, slag roof, electric lighting. Contract awarded to Turner Concrete Steel Company, 1314 Arch street.

**Amusement Arcade**, Wildwood, N. J. \$3,200. Architects, Moffett & Stewart, Jessup Building, Camden, N. J. Owner, James McCusker, care of architects. Frame, one story. Contract awarded to Winchester Bonham, Wildwood, N. J.

**Arcade Building**, Wildwood, N. J. \$7,500. Architects, Moffett & Stewart, Jessup Building, Camden, N. J. Owners, Baker Bros., Drexel Building, Philadelphia. Frame, one story. Contract awarded to Winchester Bonham, Wildwood, N. J.

**Factory and Dye House**, 845 Willard street. Architect, Jacob Naschold, 723 Walnut street. Owners, Peerless Company, 845 Willard street. Brick and concrete, four stories, 50x123 feet. Dye house, 44x102 feet, one story, slag roof, electric light, steam heat. Contract awarded to J. Bird & Co., 213 North Eleventh street.

**Building (alt. and add.)**, Eleventh and Chestnut street. Architect, L. E. Denslow, 44 West Eighteenth street, New York City. Owners, United Cigar Stores Company, Mint Arcade Building, Philadelphia. Brick, steel and glass. Contract awarded to Edward Fay & Son, 1521 Ranstead street.

**Residence**, Melrose, Pa. Architect, D. Folsom, 1433 Chestnut street. Owner, G. A. Helff, care of architect. Stone, two and one-half stories. Slate roof, electric lighting, hot air heating. Contract awarded to George Kessler, Drexel Building.

**Residence**, Chestnut Hill, Pa. Architects, McGoodwin & Hawley, 34 South Sixteenth street. Owner, William W. Harper, care of architects. Stone, two and one-half stories, 31x91 feet. Shingle roof, electric lighting, hot water heating, hardwood floors. Contract awarded to John E. Walt, 204 East Willow Grove avenue.

**Bank (alt. and add.)**, Fourth and Green

streets. Architects, Koelle Speth Company, Twenty-sixth and Oxford streets. Owners, Integrity Trust Company, Fourth and Green streets. Brick, one story, slag roof, electric lighting, steam heating. Contract awarded to George Kessler, Drexel Building. Builder taking sub-bids at once.

**Residence (alt. and add.)**, and Barn, School Lane, Germantown. Architect, private plans. Owner, S. V. Merriek, 5219 Wayne avenue. Brick, three stories, electric light, steam heat, hot air heat, slate roof. Contract awarded to F. T. Mercer, 1710 Delaney street.

**Factory (add.)**, 811-15 Fairmount avenue. Architect, H. G. Hammer, 803 North Seventeenth street. Owners, Sheiler Hemsler Bros. Company, on premises. Brick, three stories, 90x30 feet, slag roof, electric light. Contract awarded to B. P. Evans & Co., Thirteenth and Wallace streets.

**Memorial Hall**, Villa Nova, Pa. \$100,000. Architects, E. F. Durang & Son, Inc., Twelfth and Chestnut streets. Owners, Villa Nova College, donated by B. Corr. Stone hall, 174x53 feet, three stories. Chapel, stone, 94x40 feet, one story, slate roof, electric light, steam heat, hardwood floors. Contract awarded to Lehigh Realty Company, Stephen Girard Building.

**Building (alt. and add.)**, 2859 North Reese street. Architect, private plans. Owners, Shipton & Payne, on premises. Brick, two stories, slag roof. Contract awarded to Stewart Bros., 2528 Orkney street.

**Building (alt. and add.)**, 1500 Arch street. Architect, F. G. Caldwell, Stephen Girard Building. Owner, W. C. Benkert, Real Estate Trust Building. Brick, three stories, electric lighting, slag roof. Contract awarded to H. L. Brown, 1714 Sansom street.

**Residence**, Elkins Park, Pa. Architects, Heacock & Hokanson, Baily Building. Owner, W. Parke Moore, 3544 North Sixteenth street. Hollow tile, plaster, two and one-half stories, 62x59 feet. Tile roof, hot air heat, electric lighting. Contract awarded to William H. Eddleman, 453 Green lane.

**Residence**, Haverford, Pa., \$15,000. Archi-



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tect, D. K. Boyd, Fifteenth and Walnut streets. Owner, A. A. Hirst, 211 South Sixteenth street. Stone, two and one-half stories, 32x62 feet. Electric lighting. Contract awarded to A. L. Fretz & Son, 1222 Chancellor street.

**Crucible House**, Tacony, Philadelphia, \$25,000. Engineers, Sax & Abbott, Hale Building. Owners, Henry Disston & Sons, Tacony, Philadelphia. Brick, two stories, 65x145 feet. Slag roof, electric lighting. Contract awarded to F. W. Van Loon, Denckla Building.

**Stable**, Eleventh and Wharton streets. Architect, Carl Zilenziger, City Hall. Owners, City of Philadelphia. Frame, one story, 30x60 feet. Slag roof, electric lighting. Contract awarded to E. H. Sturts, 2614 Ridge avenue.

**Residence**, Park and Medary avenues. Architect, Lawrence Clark, Witherspoon Building. Owner, Katherine E. Murphy, care of architect. Frame, two and one-half stories, electric lighting, shingle roof. Contract awarded to M. E. Hauser, Glenside, Pa.

**Stable and Garage**, Kensington avenue and J street, \$5,000. Architect, private plans. Owners, Philadelphia Electric Company, care of Mr. Manwarning, Tenth and Sansom streets. Brick, one story, 30x54 feet. Slag roof, electric lighting. Contract awarded to Charles Gilpin, Harrison Building.

**Hotel**, northwest corner of Thirteenth and Filbert streets, \$500,000. Architects, Esenwein & Johnson, 775 Ellicott Square, Buffalo, N. Y. Owner, Charles H. Vendig, care of I. Hecht, Bailey Building. Tapestry brick, stone and terra cotta, fireproof, twelve stories, 95x95 feet. Electric lighting, steam heating, slag and tile roof. Contract awarded to Doyle & Co., 1519 Sansom street.

**Residence (alt. and add.)**, 2044 Locust street, \$6,500. Architects, Baker & Dallett, 1629 Chestnut street. Owner, J. S. Wallace, Bailey Building. Brick, four stories, slag roof, electric lighting. Contract awarded to J. P. Thompson, 1432 South Penn Square.

**Store (alt. and add.)**, 505 Market street, \$30,000. Architects, Denby & Nute, 333 Fourth avenue, New York City. Owner, Mrs. E. R. Denby, care of architects. Stone and brick,

five stories, slag roof, electric lighting, steam heating. Contract awarded to J. R. Jackson, Perry Building.

**Store and Warehouse**, 2043-45 Arch street, \$50,000. Architect, Lewis Levi, Real Estate Trust Building. Owners, Kahn & Greenberg, Morris Building. Brick, steel, five stories, 40x140 feet. Slag roof, steam heating, electric lighting. Contract awarded to Harry Gill, Jr., 2200 Germantown avenue.

**Residence (alt. and add.)**, 800-02 South Fourth street. Architect, H. B. Ward, Witherspoon Building. Owner's name withheld. Stone, one story, electric lighting, slag roof. Contract awarded to Metzger & Wells, Heed Building.

**Factory and Boiler House**, Fifth and Erie avenue, Camden. Architects, Peuckert & Wunder, 310 Chestnut street. Owners, Kind & Landesmann, on premises. Brick, two stories, 111x105 feet. Slag roof, electric lighting. Contract awarded to Turner Concrete Steel Company, 1314 Arch street.

**Casting House and Storage**, Huntingdon and Aramingo avenue. Architect, private plans. Owners, John T. Lewis & Bros. Co., on premises, care of L. T. Beale, Fifth and Chestnut streets. Concrete, one and two stories. Slag roof. Contract awarded to Turner Concrete Steel Company, 1314 Arch street.

**Saturday Clug (alt. and add.)**, Wayne, Pa., \$5,000. Architects, De Armond, Ashmead & Bickley, 618 Chestnut street. Owners, the Saturday Club, Wayne, Pa. Frame, two stories, shingle roof, electric lighting, new heating plant. Contract awarded to J. D. Lengle, Wayne, Pa.

**Subway Station (alt.)**, Thirteenth and Market streets. Engineer, H. B. Nichols, Eighth and Dauphin streets. Owners, Philadelphia Rapid Transit Company, Eighth and Dauphin streets. Consists of new escalators, stairways, etc. Contract awarded to Graham-Campion Company, Heed Building.

**Recitation Hall**, Convent Station, N. J., \$120,000. Owners, St. Elizabeth College, Convent Station, N. J. Brick, four stories. Contract awarded to Thomas Reilly, 1615 Thompson street.

## Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

St. Timothy's Hospital (O), Ridge and Germantown avenues. E. L. Cuthbertson (C), 334 Roxborough avenue. Cost, \$3,300. Stable and garage, two stories, brick, 30x28 feet, Ridge and Germantown avenues.

H. W. Scarborough (O), 522 Walnut street. William Cooper (C), 4909 North Fifteenth street. Cost, \$27,600. Twelve brick dwellings, two stories, 15x40 feet, 4831 to 57 North Fifteenth street.

William Klaus (O), Fiftieth and Greenway avenue. Cost, \$9,500. Five dwellings, brick, two stories, 15x49 feet, Fifty-ninth and Delancey streets. Cost, \$24,000. Sixteen dwellings. Cost, \$2,500. One store and dwelling.

Dr. Paul Frantz (O), 2411 West Norris street. E. C. Durell (C), 1713 North Twenty-fourth street. Cost, \$3,000. Dwelling, Twenty-sixth and Columbia avenue.

John N. Kennedy, Jr. (O), Tenth and Chestnut streets. Fred. Kennedy (C), B and Thayer streets. Costs, \$3,000. Storage building, three stories, brick, 32x38 feet, 420 North Marshall street.

Dr. D. I. Zahler (O), 1027 Wood street. H. C. Rea (C), 1027 Wood street. Cost, \$11,000. One three-story store and dwelling, 49x30 feet, Chew and Sedgwick streets. Cost, \$1,000. Garage, Chew and Sedgwick streets.

H. Ellembe, Jr. (O), 3543 Germantown

avenue. Cost, \$6,400. Two dwellings, two stories, stone, 15x55 feet, Bristol street, west of Broad.

M. W. Stoll & E. A. Bagley (O), 5426 North Water street. J. P. Bagley (C), 5426 North Water street. Cost, \$5,000. Two three-stories, brick, Water and Clarkson streets.

The Consolidated Cast. Company (O), 5501 Baltimore avenue. Cost, \$4,000. Two dwellings, two stories, 28x51 feet, Baltimore avenue. Cost, \$25,000. Seven dwellings, two stories, brick, 16x62 feet, 5507, 5509, 5503, 05, 11, 13, 15 Baltimore avenue.

C. Dear (O), 3518 Kensington avenue (O). Cost, \$2,000. Two dwellings, two stories, brick, 14x38 feet, Second and Souden streets.

A. R. Morris (O), 1540 North Sixth street. James Schulvach (C), 1221 Germantown avenue. Cost, \$5,000. Warehouse, two stories, brick, 20x80 feet and 20x40 feet, 1227 Germantown avenue.

Charles Shoemaker (O), Sixth and Venango streets. H. P. Schneider (C), York road and Erie avenue. Cost, \$2,000. Office, two stories, brick, 33x28 feet, Erie avenue and Rising Sun lane.

F. C. Michaelson (O), 845 Land Title Building. Cost, \$17,500. Seven dwellings, two stories, brick, 15x35 feet, Forty-eighth and Ludlow streets. Cost, \$3,000. One dwelling.

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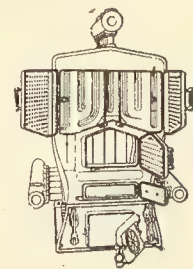
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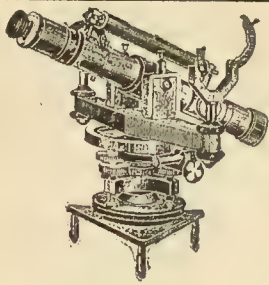
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City of Philadelphia (O), City Hall, Philadelphia. J. W. Emery (C), 1524 Sansom street. Cost, \$6,500. Office building, brick, two stories, 24x48 feet, Twelfth and Reed streets.

David Cram (O), 6600 Woodland street. Cost, \$52,000. Twenty-six dwellings, brick,

Mention "The Builders' Guide."

two stories, 15x28 feet, Sixtieth and Walton avenue.

George Webber (O), 2209 North Front street. William Steele & Sons (C), 1600 Arch street. Cost, \$13,000. Office, brick, three stories, 33x71 feet, 2209 North Front street.

F. Gaupner (O), Wayne avenue and Tabor road. Cost, \$6,000. One dwelling, brick, three stories, 18x25 feet, Oak Lane, Philadelphia.

Ninth Presbyterian Church (O), Fifty-seventh and Washington avenue. T. C. Trafford (C), 1613 Sansom street. Cost, \$9,800. Stone, four stories, 18x39 feet, church. Cost, \$38,000. Sunday School, Fifty-seventh and Washington avenue.

A. L. Craig (O), 508 Queen Lane. Cost, \$4,500. One dwelling, brick, two stories, 16x35 feet, 506 Queen Lane.

Dr. George Woodward (O), 709 North American Building. J. A. Gerhart (C), Hartwell and Navahoe street. Cost, \$4,500. Residence, stone, three stories, 20x30 feet, 36 Beneyeth street.

The Little Sisters of the Poor (O), Fifty third and Chester avenue. William J. McShane (C), 417 South Thirteenth street. Cost, \$75,300. Home, concrete, 36x112 feet, Fifty third and Chester avenue.

S. W. Cook (O), 243 Olney street. Cost, \$4,000. Two dwellings, two stories, brick, 16x48 feet, Fourth and Grange avenue.

John Gabrielevick (O), 2545 Richmond street. R. Wolf (C), 2317 Somerset street. Cost, \$4,300. Store and dwelling, two stories, brick, 20x80 feet, Orthodox and Melrose streets.

John Augustian (O), Eighty-fifth and Guyes avenue. Cost, \$1,650. One dwelling, brick, two stories, 16x34 feet, Eighty fifth and Guyes avenue.

Harry Halkin (O), 246 Race street. Mike

Cylinder (C), 521 Mifflin street. Cost, \$3,250. Store and dwelling, brick, 16x40 feet, 246 Race street.

F. C. Michaelson (O), 845 Land Title Building. Cost, \$15,000. Five dwellings, two stories, brick, 21x34 feet, Green street, north of Penn.

John Wanamaker (O), Thirteenth and Market streets. J. G. Doak & Co. (C), 1428 Chestnut street. Cost, \$45,000. Club house, three stories, stone, 32x43 feet and 46x27 feet, 2115-21 South street.

Central M. E. Church (O), Orthodox and Franklin streets. H. E. Baton (C), Tenth and Sansom streets. Cost, \$25,000. Sunday School, two stories, stone, 87x67 feet, Orthodox and Franklin streets.

Commonwealth of Pennsylvania (O), Harrisburg, Pa. W. E. Dotts (C), 148 North Second street. Cost, \$60,000. Armory, brick, two stories, 36x104 feet, Broad and Diamond streets.

H. Brookes (O), Penrose Ferry road. Alex. Chambley (C), 243 South Tenth street. Cost, \$5,100. Residence, brick, 18x57 feet, two stories, Penrose Ferry road.

W. H. Greene (O), Sixteenth and Arch streets. J. E. Mifflin, Jr. (C), 617 Crozier Building. Cost, \$2,500. Dwelling, brick, two stories, 16x47 feet, Rector and Terrace streets.

Mrs. A. T. Elder (O), 5153 Wayne avenue. Alex. T. Elder (C), 5153 Wayne avenue. Cost, \$25,000. Apartments, four stories, brick, 24x69 feet, 5151 Wayne avenue.

E. P. Stahe (O), Swanson and Cascomb streets. William Schmidt (C), 1925 North Twentieth street. Cost, \$9,000. Four dwellings, brick, two stories, 15x36 feet, Fourth and Ruscomb streets.

City of Philadelphia (O), City Hall. Edw. Fay & Son (C), 1521 Ranstead street. Cost, \$100,000. Building, two stories, 263x70 feet, Twenty-sixth and Master streets.

## Alterations and Additions

Novelty Machine Company (O), 20 Rector street, New York City. R. S. Vzzell (C), 20 Rector street. Cost, \$3,500. Park, Point Breeze Park.

Weightmann Estate (O), 1336 Walnut st. J. S. Talley (C), 1931 Market street. Cost, \$2,400. Store, 816 Market street.

William Arrott (O), 435 Walnut street. F. L. Bickel (C), Mascher and Jefferson streets. Cost, \$500. Manufacturing, Montgomery avenue and Hope street.

J. B. Murphy (O), 206 South Third street. J. Maginnis (C), 514 Walnut street. Cost, \$1,000. Store and dwelling, 206 South Third street.

Edward Miller (O), 5728 Wayne avenue. F. P. Kennedy (C), B and Thayer streets. Cost, \$4,000. Garage, 5728 Wayne avenue.

Southwark Foundry Company (O), Fifth and Washington avenue. E. T. Child (C), Fifth and Washington avenue. Cost, \$900. Office, Fifth and Washington avenue.

Temple University (O), Broad and Ontario streets. Drehman Paving Company (C), 2625 Parrish street. Cost, \$2,594. Laboratory, Broad and Ontario streets.

P. O. S. of A., Camp 688 (O), 1417 Columbia avenue. H. M. Ruter (C), 541 West Berks street. Cost, \$550. Lodge rooms, 1617 North Broad street.

Harry Brookes (O), Penrose Ferry road. Alex. Chambley (C), 243 South Tenth street.

Cost, \$2,500. Shed, Penrose Ferry road.

Leo Brooks (O), 3542 North Fifth street. Thomas Matthews & Sons (C), 2336 North Hancock street. Cost, \$950. Store and dwelling, 22 North Fifty ninth street.

Keystone Trading Stamp Company (O), 702 Arch street. Lam Building Company (C), 1001 Wood street. Cost, \$18,000. Store, 835 Arch street.

Olympic Association (O), Broad and Kenilworth streets. Brilliant Mfg. Company (C), 1038 Ridge avenue. Cost, \$2,500. Sign, Broad and Kenilworth streets.

Commonwealth Trust Company (O), Twelfth and Chestnut streets. J. S. Sillers (C), 2013 Ellsworth street. Cost, \$800. Dwelling, 1802 North Woodstock street.

John Wolfe (O), 239 South Tenth street. H. C. Dahl (C), 231 South Eighth street. Cost, \$1,200. Two-story addition, 8x14 feet, to store, 237 South Tenth street.

Point Breeze Park Company (O), Point Breeze. J. N. Gill & Co. (C), 1213 15 Filbert street. Cost, \$3,500. Alterations, amusement, Penrose Ferry Road and Twenty-fifth streets. Cost, \$1,500. Alterations, amusement, Penrose Ferry road and Twenty-fifth street.

H. Grant (O), Comley and Dittman streets. A. Ahlers (C), 3425 Howell street. Cost, \$2,000. Stores, Torresdale and Howell streets.

(Continued on page 348.)



## Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

\*\*The value of the exports of the United States in the first nine months of the current fiscal year exceeds by \$115,000,000 the preceding high record of exports, in the corresponding months of 1911.

\*\*The annual report of the Society for Italian Immigrants shows that the Italians who came to this country in 1911 numbered 155,835 and that the outgoing Italians numbered 139,694. The net Italian immigration in that year was, consequently, 16,190; that in 1910 was 129,288.

The United States Radiator Corporation, Detroit, Mich., announces that it has taken over the United Vacuum Appliance Company, of Connersville, Ind., and the Electric Renovator Mfg. Company, of Pittsburgh, and is now prepared to market a complete line of vacuum cleaners for every purpose. In taking over these two concerns, the corporation states that it also secures the services of their entire manufacturing and engineering departments.

\*\*The twenty-third annual convention of the Pennsylvania State Association of Master Steam and Hot Water Fitters will be held in Philadelphia, June 7-8, 1912. The time and place for the meeting are especially arranged to make it convenient for those attending to proceed to the annual convention of the National Association of Master Steam and Hot Water Fitters, in Atlantic City, June 10-13.

\*\*Papers on "Temperature and Humidity in Factories," by Royce W. Gilbert, Boston; "Air Impurities, Dust, Fumes, and Gases," by Charles Baskerville, College of the city of New York; "Effects of Air Conditions Upon Health of Workers," by George M. Price, medical director of the Factory Investigating Commission of New York State, and on "Psychological Factors in Human Efficiency," by Hugo Munsterberg, of Harvard University, will be read at the forthcoming Second National Conference on Industrial Diseases, to be held in Atlantic City, N. J., June 3-5, 1912. The conference is under the auspices of the American Association for Labor Legislation. A feature of the meeting will be an industrial hygiene exhibit.

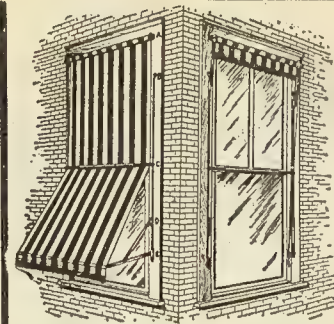
\*\*In connection with the change in the per-

sonnel of the Harding-Finley Lumber Company, Land Title Building, Philadelphia, by which Mr. Finley retires, there are other interesting features for publication at this juncture. The Harding-Finley Lumber Company started in 1908, and since that time have been located in the Land Title Building, Walter H. Harding being the head of the concern. There will be no change in general methods incident to the withdrawal of Mr. Finley from the company. As per current reports for some time past, the business of the Coppock-Warner Company is being liquidated, and I. W. Warner, of the Coppock-Warner Lumber Company, will become actively connected with the Harding-Finley Lumber Company about July 1, and is virtually so connected now. Mr. Warner will not change his location from Raleigh, N. C., where he has been for some time, but will conduct the Southern office of the Harding-Finley Lumber Company from that point.

\*\*Julian Herndon and E. F. Hettrick, both formerly connected with the Southern Ferro Concrete Company, have organized the Herndon-Hettrick Engineering Company, with offices in the Empire Building, Birmingham, Ala. The company will do a general engineering and contracting business, special attention being paid to reinforced concrete work.

\*\*A new sixteen-page illustrated publication is being issued by the Universal Portland Cement Company, "Permanent Pavement." It covers the field of good roads, and while the company is now especially interested in pavements using concrete it will cover all types. It is to arouse interest in road improvement and in bettering farming conditions through better transportation facilities.

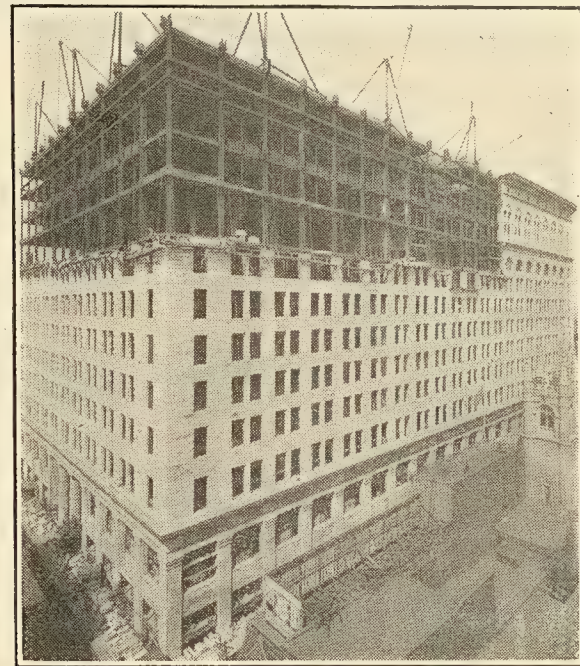
\*\*If all the paid road officials of the United States were to settle in one city they would provide a population equal to that of Albany, N. Y.; Atlanta, Ga.; Birmingham, Ala.; Bridgeport, Conn., or Cambridge, Mass. The cities mentioned are in the 100,000 population class, under the last census, and the Year Book of the American Association for Highway Improvement, which is just about to be issued, shows that there are about 100,000 officials actually engaged in the supervision of public roads in the United States.



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\*\*George H. Sharp has been made manager of the Imperial Cement Company, Ltd., Owen Sound, Ont. Mr. Sharp superintended the construction of the Omega Portland Cement Company, Mosherville, Mich., and for the last thirteen years has been general superintendent of the Omega plant. He has had wide experience in the manufacture of Portland cement, and resigned his position to take up his new duties.

From Louisville, Ky., comes word that the injunction prayed for by the Samson Cordage Works, of Boston, Mass., against the Puritan Cordage Mills, of Louisville, Ky., was denied by Judge Evans of the Federal Court, sitting in the Kentucky city, on Saturday, March 23d. The eastern concern sought to stop the Louisville company from twining into its ropes and cords "two blue strands," which was an identifying mark of the Puritan goods. The claim of the Samson company was that they had a trade-mark on their goods by using a one-strand color and that the Puritan company was infringing in using the double strand. The case was begun last October when a suit for an injunction and for an accounting of profits was filed by the eastern

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company, but this was denied by the court in November. Judge Evan's decision rendered March 23, formally dismissed the Samson Complaint. It is understood this decision has been taken on appeal to the United States Circuit Court of Appeals for the Louisville district.

### PHILADELPHIA AND FIRE LOSSES

Philadelphia burned up \$2,185,928 worth of property during the year 1911. This was all covered by insurance with the exception of \$134,400 worth. The loss in buildings amounted to slightly over half a million and the contents nearly a million and a half. The actual number of fires was 3878, and of this number 2857 were confined to the floor on which they started. This is surely a splendid showing, and a great tribute to the city fire department.

It is interesting to note how Philadelphia

is starting off a new year. In the month of January there was a \$200,000 damage in a moving-picture film factory. February started off promptly with a loss which was roughly estimated at \$800,000 in a fire which destroyed three large factory buildings. The outlook is not promising for 1912, and Philadelphia will have to reduce its monthly average materially to come within the limits of 1911.

However, Philadelphia takes quick action and, as the result of a conference held by Director Porter, of the Department of Public Safety; Charles A. Hexamer, secretary of the Fire Underwriters' Association; Dr. Jesse D. Burk, Director of the Bureau of Municipal Research, and Fire Marshal Lattimer, Mayor Blankenburg, of Philadelphia, will be asked to appoint a commission to investigate fire causes and prevention in that city.

### RECENT TRADE LITERATURE.

From the American Sheet and Tin Plate Company, whose general offices are in the Frick Building, Pittsburgh, Pa., comes a booklet they have but recently issued—entitled "Better Buildings."

This work presents through description and illustration, in an attractive and interesting manner, full data and information on corrugated and formed roofing and siding sheets, together with instructions for measurements, directions for application and many plans and suggested uses.

Metal roofing and siding materials are generally becoming recognized as high grade building products worthy of the most favorable consideration.

Samples of the metals of their manufacture and their various catalogues and bulletins descriptive of their varied lines can be obtained from the American Sheet and Tin Plate Company, by writing to their Pittsburgh, Pa., offices.

\* \* \*

"Ideal Heating Journal" for April, published by the American Radiator Company, Chicago, contains, among many interesting articles, one on "Efficiency of Radiator Surfaces Affected by Paints," in which a comparison is made between enamel and bronze for radiator surfaces. The enameled surfaces were found to have a decided advantage over bronzed surfaces, ranging from 9 to 15 per cent. Illustrated descriptions are included, showing the method of testing the radiating power of substances.

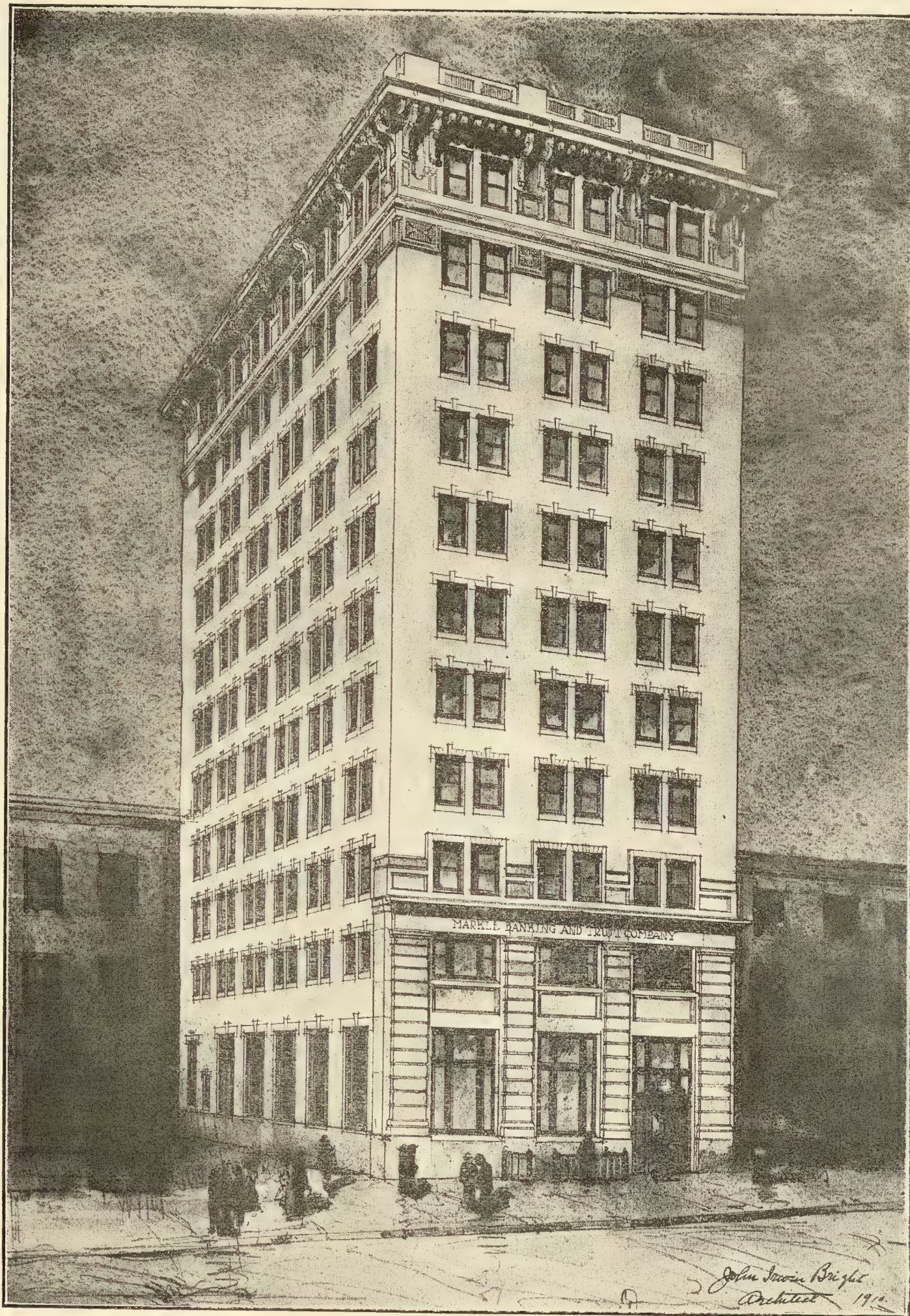
\* \* \*

"Graphite" for April, 1912, the periodical of the Joseph Dixon Crucible Company, Jersey City, N. J., contains the first installment of an article by Elbert Hubbard on "Joseph Dixon, One of the World Makers."

### THERE'S ONLY ONE WAY.

A man may guy,  
And a man may lie,  
And a man may puff and blow;  
But he can't get trade by sitting in the shade,  
Waiting for business to grow.





Architect  
John T. Bright, Phila.

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PHILADELPHIA, PA., MAY 22, 1912.

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# Editorial Comment

"If I had the ear of the operative building element," said a well-known architect the other day, "I would try to impress upon them the immensely improved saleability it is possible to give a house by attention to details other than the front view. There is the back yard for example. The average woman seeking a home is much more likely to be impressed by an attractive back yard than by a pair of expensive piers bearing flower urns on the front terrace. If I were building houses to sell to people in ordinary circumstances seeking homes, I'd give this back yard outlook serious consideration. A latticed fence, a cozy back porch and a few cheap trellises for vines would make some of the new houses stand out from the dead level of sameness peculiar to these operative 'homes' in a way that would mean quick sales and big profits to the wide-awake builder. And if at the extreme rear of the yard a bin with a cover were so placed as to screen the garbage cans, gardening utensils and similar litter from the public view the back yard outlook would be greatly improved at very slight additional cost. It has seemed to me that if some of the more showy items of expenditure in connection with operative home building were toned down in a sensible effort to make the house what it is intended to be, viz.: a comfortable human habitation, the sale of properties of the kind could be made much less difficult. You can give this tip to the trade if you see fit. I make no charge for it. I know that in my own experience with people seeking homes it has paid me well to look after the attractiveness of the back of the house. I learned long ago the wisdom of doing this. Inasmuch as operative house building is an attempt to do at limited cost and in a large way that which the suburban home designer is required to do, freed of this limitation as to cost and in units, I am quite certain that something of the same care touching the back yard aspect will pay big dividends to the operator shrewd enough to give it intelligent study. If one of the operators should take up the suggestion, let me know. I shall be curious to learn the outcome."

\* \* \*

John A. Kelly, secretary of the Builders' and Traders' Exchange, of Columbus, Ohio, made before the Columbus Society of Architects not long ago an address that contained some quotable bits of homely common sense descriptive of the builders' point of view in his dealing with the architect.

Mr. Kelly said:

"The architect cannot serve two masters. He cannot serve both the owner and the contractor and the latter knows this. It is the business of the architect to look after the interests of the owner. Thus, he has autocratic power. The contractor is figuratively speaking, 'under the architects' thumb.' The con-

tractor must look to the architect and no matter how much he is imposed upon, he has no redress. If he appeals to the owner, or goes over the head of the architect in an endeavor to get the justice he gets 'in bad.' If you were a contractor in Columbus, where there are thirty-five or forty architects, you would hesitate a long time before causing a rupture between yourself and one of the architects. Every time a contractor gets in bad with an architect in Columbus he cuts off a slice of his opportunity for income.

"There are many cases happening every day where a contractor goes into his own pocket to avoid trouble with the architect, that is in supplying something that the architect has left out, or in righting some mistake or other.

"The point I desire to make and which I have been trying to lead up to, is to impress you with the full realization of your autocratic power. This power, I believe, should make you the more lenient with the contractor. There must always be unexpected difficulties arise in the erection of building, be they large or small, owing to the peculiar working conditions of the industry. Your plans are oftentimes prepared in a hurry and the contractors are compelled to figure in a hurry and no wonder troubles arise. You have everything to contend with, even the weather, and the contractor has everything to contend with that you have and also he has you to contend with.

"If your specifications read anything like this how can you expect a contractor to figure your work or if he does, how can you expect the right kind of a price. 'The plans are intended to call for a completed building and no extras to make it complete will be allowed, but the contractor must supply them, even though they are not expressly called for or shown.' The contractor gets that far in the specification and if he has any sense he lays it down and quits right there. If your specifications are mixed up and the plumber's specifications call for the doing of brick work like one for instance that is of recent origin, providing that the enameled brick wainscoting should be done by the plumber, or at least it is in the plumbing specifications, if I recall correctly, how can you expect to avoid difficulties. The brick man doesn't read the plumbing specifications in order to take off the brick work.

"Another specification calls for separate bids on the structural steel and iron work yet the specifications include this in the carpenter contract. In a recent plan, floor sleepers were called for which required cinder filling. The plans also showed a section of floor raised six inches above the other floor. There were no specifications for cinder filling. Is the contractor to figure this in? Will you compel him to fill with cinders when it is not in your



specification. Such things are found innumerable in your plans and specifications.

"One of the latest impositions that is found generally in your specifications is as follows: You design the reinforced concrete work, you designate the size of floor slabs and the materials and the mix and you designate the size and placement of the reinforcing. Then you ask the contractor to test out the floor for an assumed load and in case of failure stand the expense of all damage to the work. Is it right? Along these lines I want to say a word, at the instance of the contractors in regard to your superintendent. We appeal to you to be more careful in the selection of your superintendent and to not give to them such unquestioned power. You take a young engineer just out of college and place him over practical builders who have been in the contracting business all their lives. This young superintendent has read in books and heard professors lecture on how to handle the contractor and he has strong views of a lot of things that he knows absolutely nothing about. We know of young men superintending your work in some instances who have instruction to use their own judgment and 'don't bother us any more than you have to' and it is under these inexperienced youngsters that the contractor battles with the work and fights for his rights. We ask that you do not put too much dependence in your superintendents who are not thoroughly experienced.

"The contractors here are proud of you as business getters and proud of your capabilities and as a rule you are fair with the contractor, otherwise our relations would not be so good. But we urge that you be careful of your power and to remember that the best of contractors, as a rule, are men struggling without much capital, courting failure and gambling with fortune, with everything against them and with everything to contend with, including the weather and the railroads. The contracting business is a gamble pure and simple. The contractor gambles for the job and landing it he gambles that his sub-contractors will do their part; gambles that the materials are suitable and that they will arrive on time; gambles on the specifications of the architect, if they are not clear and many times they are not; gambles against the weather and time and labor troubles and sometimes gambles on getting his money."

\* \* \*

An interesting side light upon a phase of the advantages of regular advertising not generally taken into account is contained in an address on "Advertising and Publicity," delivered before the National Lumber Manufacturers' Association, by Mr. W. E. Gilchrist, of Memphis, Tenn., at the recent tenth annual convention of that body.

"The working up of the advertising campaign will mean far more than merely buying of space in the publications and filling that space with well prepared copy, and it will mean more than a follow-up campaign, no matter how thorough or ingenious.

"The advertising campaign should be wider

than anything the National can do, and on that I will speak a little later. But one of the most desirable results should be the securing of publicity more favorable to lumbermen.

"The lumber business is not in good standing with the press of the country, due to the talk about a 'Lumber Trust,' but very largely to the fact that the business has not advertised to any material extent, in the papers which lead in newspaper policies.

"Favorable publicity is one of the things we want, but the business management of the papers objected so long as they thought that our plan was to get it for nothing. While editorial or news space cannot be bought in respectable, responsible periodicals—which, by the way, are the very ones that we need—their publishers have the spirit of fair play and good fellowship to the same extent as other people. Liberal advertisers are treated as generously in the news and editorial columns as good newspaper policy and ethics will permit, while with the non-advertiser the disposition to publish sensational news can have its way unrestricted.

"The full publicity results from lumber advertising can be secured only by uniting all lumber advertisers in a certain community of interest and influence. The National Lumber Manufacturers' Association conceivably may spend \$150,000 a year for advertising; but such an amount could be spent in comparatively few publications out of the many thousands in the country, each of which has its share in forming public opinion. But other lumber associations than the National are advertising, or will advertise. No inconsiderable part of lumber advertising is done by individuals in local papers or special mediums.

"Now let all these associations and all these individuals join their influence in demanding of the press fair treatment of the lumber business—not treatment prejudiced in their favor, but let us demand that they shall merely treat us as fairly as they do other lines of business; that their columns shall be opened to the same kind of news of the lumber business that they are in regard to others; that where the character of it permits they shall handle matters favorable to the lumber business as readily as matter favorable to other lines. In short, to abandon their prejudice against us in favor of at least an impartial attitude.

"Can we bring this concert of action on the part of lumber advertisers to pass? I believe we can. All lumbermen of whatever class—manufacturers, wholesalers or retailers—keenly feel the injustice with which they are treated, and should be, and I believe will be, glad to co-operate in a legitimate, business-like way for the purpose of remedying the present regrettable condition."

\* \* \*

Here is presented a side of the advertising proposition that is commonly overlooked—the friendly attitude of the trade press toward advertisers where this friendliness is timely and helpful. The word of defense when your

interests are attacked, the note of boost at the psychological moment, the commendatory position in season and out. Not until here lately did the brick men get awake to the fact that the tremendous vogue of cement was due to the incessant boosting of a friendly press—now comes along the lumber men with the same belated discovery. We are moved to poesy—

"While the lamp holds out to burn  
The vilest sinner may return."

Frankly we are much pleased to perceive that the fact has begun to dawn upon people that the man who invests his money in advertising buys more than white space.

\* \* \*

A novel suggestion for garbage and ash removal is made by a New York organization known as the Women's Municipal League, which sent a letter to the Board of Estimate the other day recommending that the city plan a standard receptacle for all ashes and garbage, capable of being tightly sealed; that each owner be required to have receptacles in standard form in duplicate; that the city buy automobile vehicles of the size most economical, collect each day the sealed receptacles, take them to points where they are to be emptied, washed and return them to the owner. The receptacles, says the letter, could be either interchangeable or labelled with the owners' names and addresses.

#### CREMATION FOR MARCH.

The aggregate fire loss for the month of March in the United States and Canada totaled \$16,650,850. This loss is approximately half of the fire loss for the month of March, 1911, and several millions less than that for the month of March, 1910. Nevertheless, it is sufficient. The cause of the large fire loss in March, 1911, was the serious fire in the State House at Albany, together with several others. Some further comparisons are interesting. The total loss for the first three months of 1912 is \$80,905,950. As compared with the first three months of 1911—\$69,907,250—and 1910—\$49,130,250—this is a very large increase and an extensive handicap for the beginning year. In the Eastern Underwriter, Mr. Bertram C. Scudder has figured out that at the ratio for the first two months of 1912, the yearly loss will reach the \$300,000,000 mark. The March figures show a marked decrease under the figures for January and February for this year, the January loss being \$1,35,653,450, and the February loss being \$28,601,650. It is to be hoped that the loss throughout the rest of the year may tend to reduce the high averages of the first months and that the efforts of our fire-preventionists may be fruitful. We are indebted to the carefully-kept records of the Journal of Commerce and Commercial Bulletin for the information given above.

An advertisement should stick out like a sore thumb without being so sensitive.—  
"Novelty News."



## Everybody wants to use Electricity

Everybody **WOULD** if they knew how little it costs, how much it saves, and how important it is for the health and happiness of each individual.

If Architects and Builders would keep this fact in mind, they would never erect a property of any description which was not wired and equipped for the use of Electric Light and Electric labor-saving devices.



## RUUD Automatic Gas Water Heaters

The Novelty of Yesterday  
The Necessity of To-Day

## HILL-CANTON Clothes Drying Cabinets

The Only Dryer that **Ventilates** and is Guaranteed Not to Turn Clothes Yellow.

LOW IN PRICE  
ECONOMICAL IN OPERATION

## BARTLETT & CO., Inc.

1938 Market St., Philadelphia

MAKERS OF FURNACES AND RANGES SINCE 1843

Make your advertising attractive. Change it now and then. Run a cut in occasionally to lighten up the monotony of raw type. Have something worth saying to fire at your readers. It may cost a trifle more to do it this way, but it pays in the end. And when advertising pays—it pays big.

## Architectural Notes.

In order to insure a harmonious architectural development of Fifth avenue, a resolution was submitted last week by Borough President McAneny, of New York, to the Board of Estimate limiting the height of future buildings along the avenue between Washington Square and One Hundred and Tenth street to 125 feet. The resolution was introduced at the request of interested merchants and property owners, on the ground that it will promote business in the avenues and increase real estate values there. Meanwhile, the opposition to it expressed at the Board of Estimate meeting was based on the assumption that it would depreciate values. The resolution is the first important attempt in New York City to apply the idea of segregation of utilities which differentiates the European custom of city planning from our own. It will be interesting to watch the progress of the measure, which was referred to a committee of the board.

\* \* \*

Philadelphia Chapter has addressed a communication, which we print below, to the various chapters, in an endeavor to awaken general interest and co-operation in the subject of the preservation of historic monuments.

The letter is as follows:

To the Chairman of the Committee on Public Information, in the Boston Chapter, San Francisco Chapter, Southern California Chapter, Southern Pennsylvania Chapter and Iowa Chapter, and to the Secretary of each other Chapter.

Dear Sir: As an advocate, for several years, of an Institute Committee on the Preservation of Historic Monuments and of sub-committees or Chapter Committees with the same ends in view, it gives me pleasure to send you, on behalf of our Committee on Public Information, certain clippings and pages from recent issues of newspapers to illustrate some of the things which could be accomplished by just such committees if they existed in each of the Chapters.

The enclosures referred to are:

(a)—From Philadelphia "Sunday Ledger," of March 10, 1912, about the restoration of Congress Hall, a building of interest to the people of the whole country.

(b)—From the "Ledger," of March 14, 1912, about old Fort Mifflin, the preservation of which is of interest to the government and to all architects, and

(c)—From Philadelphia "Press" of March 24, about an old market house, which is a landmark of interest to all Philadelphians, and the conversion of which into playgrounds will benefit countless numbers of persons.

Your attention is further called to the following resolution offered by J. Randolph Coolidge, Jr., of Boston, and adopted by the Forty-third Annual Convention of the Institute in Washington, D. C.:

"That the Institute recommends to the sev-

eral chapters to exercise a watchful guardianship over any masterpieces of architectural art within their territories to the end that works of exceptional and abiding interest be not wantonly transformed or destroyed." And the following extract from the report of committee to consider reports of chapters presented to the Forty-fifth Convention in Washington last December:

"It is thus evident that some of the chapters, including the Southern Pennsylvania, which has a most energetic Committee on Preservation of Historic Monuments, are heeding the admonition of the Forty-third Annual Convention and are zealously guarding the architectural and historical treasures within their confines. As the loss of many such buildings would prove not only a misfortune but a calamity to the country at large, the subject of their preservation should, it seems to us, be taken up by an Institute Committee for the Preservation of Historic Structures, such a committee to have sub-committees in each of the chapters where any of these buildings exist.

"The aid of the Institute should be given to this worthy cause so that its influence might be exerted from the outside, as it were, in awakening some communities to a realization of their own carelessness in allowing vandalism, desecration and encroachment to mar their own monuments."

I trust that this subject may appeal to you sufficiently to be brought to the attention of your Chapter for its serious consideration.

### APRIL'S LARGE BUILDING GAINS.

The building record for the first month of spring this year is a very favorable one, showing as it does a larger total of expenditure in April than for any month since August, 1911, marking a large gain over April a year ago, and also depicting increases at two-thirds of all cities as compared with April, 1911.

Returns to Bradstreet's from 114 cities of the United States show a total expenditure of \$82,539,530, as against \$62,944,189 in March, and \$69,352,086 in April a year ago. There is here shown a gain of 31 per cent. over March, and of 19 per cent. over April a year ago, which latter month, however, marked a decrease of 15.7 per cent. from April, 1910. A rather favorable side to this exhibit is found in the fact that 75 out of the 114 cities, or two-thirds of all, show gains in April over the like month a year ago.

Most of the large cities show good sized gains over April last year. In all, sixteen cities report an aggregate of over \$1,000,000 spent for building in April, and all of these show gains. The increases at the larger cities are generally moderate. Thus, New York gains 17.8 per cent., Chicago 8.9 per cent. and Philadelphia 23.7 per cent.; but some cities



show immense increases, as, for instance, San Diego, with 166.8 per cent. gain, and Indianapolis, with an increase of 102 per cent. The showing made by this group of sixteen cities follows:

Cities.	April expenditures	P. et. inc.
New York City .....	\$19,433,851	17.8
Chicago .....	9,345,400	8.9
Philadelphia .....	4,503,385	23.7
Los Angeles .....	2,650,461	64.2
St. Louis .....	2,416,240	39.7
Portland, Ore. ....	2,305,936	28.9
Minneapolis .....	2,148,130	23.6
San Francisco .....	1,916,659	1.8
Cleveland .....	1,806,859	23.6
Rochester .....	1,780,899	65.4
Indianapolis .....	1,332,230	102.1
Kansas City .....	1,304,760	21.5
Seattle .....	1,235,230	36.9
Milwaukee .....	1,577,481	21.2
Atlanta .....	1,105,261	29.8
San Diego .....	1,062,631	166.8
Total above 16 cities....	\$55,925,413	23.9
Total other 98 cities ....	26,614,117	10.1

### GIVE BUSINESS A CHANCE.

Most business men apparently realize that if this constant agitation and interference with business on the part of professional politicians, uplift magazines and newspapers could be modified, and Congress adjourn for several years and the country be relieved from excessive legislation, constitutional conventions, political investigating committees, unnecessary government prosecution, there would be a rapid growth and expansion to all our business interests. We have reached the time when all boards of trade, chambers of commerce and all associations representing various business interests should resent this in their indignation and make concerted effort to be relieved from such damaging political interference.—Stanhope Boal in "Leslie's."

### MORE OR LESS PERSONAL.

Oscar Lowinson, associate member of the American Society of Civil Engineers, architect, advises us that he has removed his offices from 18 East Forty-second street to 5 West Thirty-first street, New York.

\* \* \*

Mr. Oswald C. Hering and Mr. Douglass Fitch, architects, announce the removal of their offices to the southwest corner of Madison avenue and Thirty-fourth street.

\* \* \*

G. Gouverneur Ashley, architect, has opened an office at 207 Market street, Newark (telephone 2809 Market), and desires catalogues. Just at present he wants information regarding water-plant installations for country estates.

\* \* \*

James W. O'Connor, architect, and Satterlee & Boyd, architects, formerly of 1123 Broadway, New York City, have moved to 3 West Twenty-ninth street.

## New Ideas, Materials and Devices

Innovations in Material and Equipment That Merit the Interest of Architect and Building Owner—A Running Resume of Novelties More or Less Recent.

### The Jackson Aluminum Line Level:

Joseph Woodwell Company, of Pittsburgh, Pa., are sole agents for this little time and labor saving device which is proving so popular with masons, bricklayers, carpenters, millwrights, contractors, plasterers, architects, etc.

This line level takes the place of the old sixteen foot straight edge in building construction and will take a level in less than half the time required with the old method and with a great deal less labor.

The line level weighs only one-fourth of an ounce. It is easily and quickly attached to a line. Levels can be accurately taken on a stretched line from one to forty feet. It will be found useful in the shop or factory for lining shafting, setting up machines, etc. In foundation, grading, road building and general work it will be found to be particularly adaptable. It may also be used as a pocket level and can easily be attached to any ordinary steel square or pocket rule.

This handy tool is made of aluminum, finely finished, fitted with a proved level glass, and owing to its lightness is almost indestructible. It is tested and warranted to be perfect and accurate in every respect.

Descriptive circular detailing this level completely may be obtained from the Joseph Woodwell Company, 201 Wood street, Pittsburgh, Pa.

### An All Steel Mortar Tub:

The Lansing Company, Lansing, Mich., has put on the market an all-steel mortar tub for the use of contractors. It is claimed that this tub has many advantages over the old-style wooden box. It is lighter, since it will not absorb water; neater in appearance; cleaner, since mortar will not adhere to it; and cheaper in the long run, since it will outwear three wooden boxes. As several of these tubs may be nested together in moving from job to job, they are more easily and conveniently handled. They are made from heavy sheet steel.

### "Titelock" Metal Shingles:

The Milwaukee Corrugating Company, of Milwaukee, Wis., with branch at Kansas City, Mo., manufacturers of "Titelock" metal shingles, are distributing miniature shingles three and a half by two inches in size, which are in design and construction exact duplicates of the large "Titelock" shingles made for practical use.

This company is also carrying on an educational campaign, knowing that only by the most persistent efforts can a large proportion

of the people be made to appreciate the importance as to why the wooden shingle should be relegated to the background, to make room for the shingle made from a good grade of metal, of popular style and design, with locking features to insure a water-proof roof.

### All-Metal Fly Screens:

This is the all-metal fly screen made along correct lines that is being recommended by architects, contractors and builders. It is the only all-metal fly screen that can be rewired without returning to the factory. The wire cloth is firmly held by rounded corners which prevent cutting by vibration and forms a perfect water shed. All bearings on this fly screen are made of copper, the reinforced corners as well as the improved turned edge guides. It will defy the evils of inclement weather, will not rot, warp, shrink or swell, can be made basket, oval, segment, round, or any shape necessary to properly fly proof a house.

The Cincinnati Fly Screen Company, of Cincinnati, Ohio, are the manufacturers and are prepared to quote prices and take care of orders promptly. They have prepared a booklet giving much information on this subject which will be mailed on request.

### Aquabar Compound:

Aquabar Waterproofing Compound, the makers state, in a recently issued pamphlet, is an integral waterproofing paste which crystallizes in the mass at the same time as the cement, absorbing a portion of the excess water, forming crystals in the voids or pores which would ordinarily have been left by evaporation. Thus, it is claimed, the mass is effectually sealed against the passage of liquids even under heavy pressure.

The Aquabar Company, 900 Oxford street, Philadelphia, will send the pamphlet referred to on request.

### Protective Paint:

The Sement-Solvay Company, whose factories are in Syracuse, N. Y., with offices at 100 William street, New York, and the Marquette Building, Chicago, are makers of protective compounds for metal surfaces. "Solvay No. 10 Crysolite" is made particularly for application to every form of iron and steel exposed to the weather. For stacks and heated metal surfaces, a special "Solvay Stack Paint" is made.

The fundamental constituent of the Solvay paint is a modified pitch derived from retort coke oven tar. All impurities of the pitch have been, it is stated, removed and with the



## Proposals

### Bonds. Improvements. Equipment.

As the Home Office and Headquarters of the Most Important Financial, Railroad, Engineering, Structural, Manufacturing and Equipment Firms in the United States, Pennsylvania offers a Particularly Rich and Productive Field for "Proposal" advertising. "The Builders' Guide" is the Only Medium in this Field.

TREASURY DEPARTMENT, OFFICE OF the Supervising Architect, Washington, D. C., May 15, 1912.—Sealed proposals will be received in this office until 3 o'clock P. M. on the 1st day of July, 1912, and then opened, for the construction (including plumbing, gas piping, heating apparatus, electric conduits and wiring, and interior lighting fixtures) of the United State Post Office at Newark, Ohio. The building is two stories and basement, and has a ground area of approximately 6,900 square feet; fireproof construction throughout; granite and marble facing; and tin roof. Drawings and specifications may be obtained from the custodian of site at Newark, Ohio, or at this office, at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect.

TREASURY DEPARTMENT, OFFICE OF the Supervising Architect, Washington, D. C., May 16, 1912.—Sealed proposals will be received in this office until 3 o'clock P. M. on the 27th day of June, 1912, and then opened, for the extension, remodeling, etc. (including plumbing, gas piping, heating apparatus, electric conduits and wiring, and interior lighting fixtures), of the United States Post Office at Chester, Pa. The work contemplated is the construction of a two story basement and unfinished attic extension of approximately 2,300 square feet ground area. The first floor only is fireproof construction, exterior facing of stone and brick with slate roof, and there will be certain repairs and alterations in the present building. Drawings and specifications may be obtained from the custodian at Chester, Pa., or at this office, at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect.

refined product as a base the paint is built up in a way that makes it insoluble, impervious and with high insulating qualities.

### "Arrowlock" Tile:

David E. Kennedy, Inc., 2 West Forty-fifth street, New York, will shortly place on the market an elastic tiling for which many advantages are claimed. With a surface strongly resembling linoleum, it presents, it is claimed, the added advantage of elasticity and a wide range of colors, that makes its use possible where a sanitary and noiseless floor is desired. The makers claim that it has all the features of an ideal flooring, being non-absorbent, durable and noiseless, and furnishing full measure of safety by being non-slipping. By reason of its manufacture in different colors, adaptable to such decorative application as may suggest itself to architects, it becomes available in many rooms designed for many purposes. The tiles are six inches square. The material is furnished in borders and sanitary cove base, and can be laid on a backing of wood, concrete or metal.

The makers will be glad to send sample with full information when requested.

### THE GARLAND VENTILATOR.

The Guide is in receipt of an attractive circular from Burton W. Mudge & Co., descriptive of their new Garland ventilator. The air shaft is square instead of round, which, it is claimed, makes it possible in many cases to apply without the use of an expensive and cumbersome base. Around the upper end of the main air shaft, which is divided into flues or air shafts, are a series of auxiliary air ducts, the purpose of which is to raise the cross air currents and deflect their movement upward and across the corresponding series of flues in the main air shaft. The inventor explains that the currents of air flowing through the auxiliary ducts divert the currents passing directly across the upper ends of the flues, forming the main air shaft, which, it is claimed, produces a positive and constant air action upward through the flues in the main air shaft, and from the interior of the building. Further information may be had by addressing Burton W. Mudge & Co., 1027 People's Gas Building, Chicago, Ill.

### CALCIMINE AND WATER PAINT.

The term "Water Paint" is different from "Calcimine" and was originated for water-colors of a cementlike nature made expressly for whitening, coloring and fire-proofing the ceilings and walls of factories, mills, warehouses, garages, etc. Water paints of the right type are admirable for this purpose, because they adhere splendidly to almost all surfaces, like brick, wood and concrete, that have never been previously painted. They are much more opaque than oil paints, do not turn yellowish with age, are easy to apply, cost less than 50 cents per gallon and wear splendidly. Owing to their similarity in appearance to calcimines, care should be taken, however, to specify the best brand obtainable and insist upon its use.

It is only possible to get first-class results by using first-class paint, and as the cost of application far exceeds the cost of such material, it is folly to permit inferior paint to be used. It must be remembered that the term "water paint" is as broad a term as "oil paint" or "varnish," and that the quality determines the price. It is best for all architects to get samples of the calcimines and water-paints and have careful comparative tests made, so as to select the proper ones for specification standards. M. Ewing Fox & Co., 136th street and Ryder avenue, New York, will forward literature on this subject to persons interested.

The short cut to success in any line is to get your proposition before people likely to be interested in what you have to offer. In the building line "The Builders' Guide" supplies this "shortcut."

## Alterations and Additions

(Continued from page 340.)

Mrs. Louise Tanner (O), 871 North Fortieth street. Frank I. Wirtz (C), 1618 North Twenty-seventh street. Cost, \$650. Store and dwelling, Fortieth and Ogden streets.

City of Philadelphia (O), City Hall. E. H. Sturts (C), 2614 Ridge avenue. Cost, \$5,600. Stable, Reed and Eleventh streets.

C. F. Zrigler (O), 2104 Delancey street. J. B. Johnston (C), 1536 Fawn street. Cost, \$3,800. Dwelling, 2104 Delancey street.

F. C. Ashton (O), Bustleton, Pa. Z. H. Weiss (C), 2132 Grant avenue. Cost, \$800. Workshop, Hoff and Grant avenues.

Mrs. E. R. Denby (O), 517 Chestnut street. J. R. Jackson (C), Perry Building. Cost, \$30,000. Store, 505 Market street.

L. Myorhaff (O), 1908 North Thirty-first street. S. Lashner (C), 1700 South Fifth street. Cost, \$3,900. Store and dwelling, Thirty-first and Columbia avenue.

P. Collins (O), Lansdowne, Pa. J. Ashton (C), 316 Grange avenue. Cost, \$500. Office, 330 North Thirteenth street.

J. T. Johnson (O), 331 North Fourth street. E. B. Miller (C), 3913 North Sixth street. Cost, \$1,200. Store and dwelling, 3959 Fairhill street.

J. J. Smyth (O), Thirty-seventh and Market streets. J. M. Stiteler (C), 5141 Spruce street. Cost, \$2,000. Dwelling, 5454 Sansom street.

Board of Recreation, City of Philadelphia (O), City Hall. Edward Fay & Sons (C), 1521 Ranstead street. Cost, \$2,000. Sheds, Twenty-sixth and Jefferson streets.

M. Logan (O), 5650 Germantown avenue. Carr & Hinkle (C), 5822 Germantown avenue. Cost, \$1,082. Dwelling, 5650 Germantown avenue.

Charles Gevister (O), 139 South Fifteenth street. Mervin Brothers (C), 217 South Eighth street. Cost, \$600. Store, 1731 Chestnut street.

F. A. Geary (O), The Belgravia. Cost, \$300. Tank, Peltz street and Schuylkill avenue.

Hafleigh & Co. (O), Somerset and American streets. Philadelphia Steel and Wire Company (C), 525 Commerce street. Cost, \$700. Tool house, Somerset and American streets.

### REAL ESTATE TRANSFERS.

Summary for week ending May 18, 1912:	
Number of transfers .....	638
Amount of transfers .....	\$2,223,645.48
Cash consideration .....	401,395.48
Mortgage consideration .....	1,822,250.00
Ground rent consideration .....	2,134.16
Which on a 6 per cent. basis amounts to .....	35,569.35

## PATENTS

promptly obtained OR NO FEE. Trade-Marks, Caveats, Copyrights and Labels registered. TWENTY YEARS' PRACTICE. Highest references. Send model, sketch or photo. for free report on patentability. All business confidential. HAND-BOOK FREE. Explains everything. Tells How to Obtain and Sell Patents, What Inventions Will Pay, How to Get a Partner, explains best mechanical movements, and contains 300 other subjects of importance to inventors. Address, H. B. WILLSON & CO. Patent Attorneys Box 500 Willson Bldg. WASHINGTON, D. C.

Mention "The Builders' Guide."



# Reference Directory for Architects, Builders and Owners

## Artists' and Architects' Supplies.

F. Weber & Co., 1125 Chestnut st., Phila.

## Architectural Iron and Metal Work.

John L. Gaumer Co.,  
22d and Wood sts., Phila.

## Awnings

Bernard McCurdy,  
N. E. Cor. 9th and Arch sts., Phila.

## Brick (Face, Etc.)

United Brick and Clay Products Co.,  
Morris Bldg., Phila.  
O. W. Ketcham, Builders' Exchange, Phila.

## Brick Renovating.

Adolph Christensen,  
1433 Brown st., Phila.

## Bank and Office Fixtures.

Stephen F. Ketran, 312 S. 24th st., Phila.

## Blue Prints

Blue Print Co., 1516 Chestnut Street, Phila.

## Boilers and Stacks.

Lindemann Engineering Co.,  
Drexel Bldg., Phila.

## Brass and Bronze Work.

John L. Gaumer Co.,  
22d and Wood sts., Phila.

## Builders.

Pomeroy Const. Co., 1609 Ranstead st., Phila.

## Builders' and Contractors' Machinery.

Henry T. Peirce, Bulletin Bldg., Phila.

## Cabinet Work.

Stephen F. Ketran, 312 S. 24th st., Phila.

## Cement.

Samuel H. French & Co.,  
4th and Callowhill sts., Phila.  
Chas. Warner Co., Land Title Bldg., Phila.  
Knickerbocker Lime Co.,  
266 N. 24th St., Phila.

## Cement and Asphalt Paving.

Wm. Krause, 1621 N. 5th St., Phila.

## Cement Colors.

Samuel H. French & Co.,  
4th and Callowhill sts., Phila.

## Cold Water Painting.

William B. Southern,  
N. W. Cor. 12th and Spruce sts., Phila.

## Concrete Engineer.

Albertson F. Knipe,  
1737 Filbert st., Phila.

## Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,  
10th and Chestnut Sts.

## Elevator (Lubricators.)

American Engr. & Mfg. Co.,  
Real Estate Trust Bldg., Phila.

## Engraving, Photo and Line.

Chestnut Street Engraving Co.,  
7th and Chestnut sts., Phila.

## Fire Protection Equipment.

Jas. Boyd & Bros.,  
25th and Wharton sts., Phila.

## Flag Poles (wood and steel).

Bernard McCurdy,  
N. E. cor. 9th and Arch sts., Phila.

## Floors and Floor Finishing.

Fritz & La Rue,  
4800 Parkside ave., Phila.

## Furnishers and Decorators.

Duncan & Duncan, Inc.,  
1724 Chestnut st., Phila.

## Furnaces and Ranges.

Bartlett & Co., 1938 Market st., Phila.  
Henry M. Miller, 40 N. 2nd st., Phila.

## Gas and Gas Appliances.

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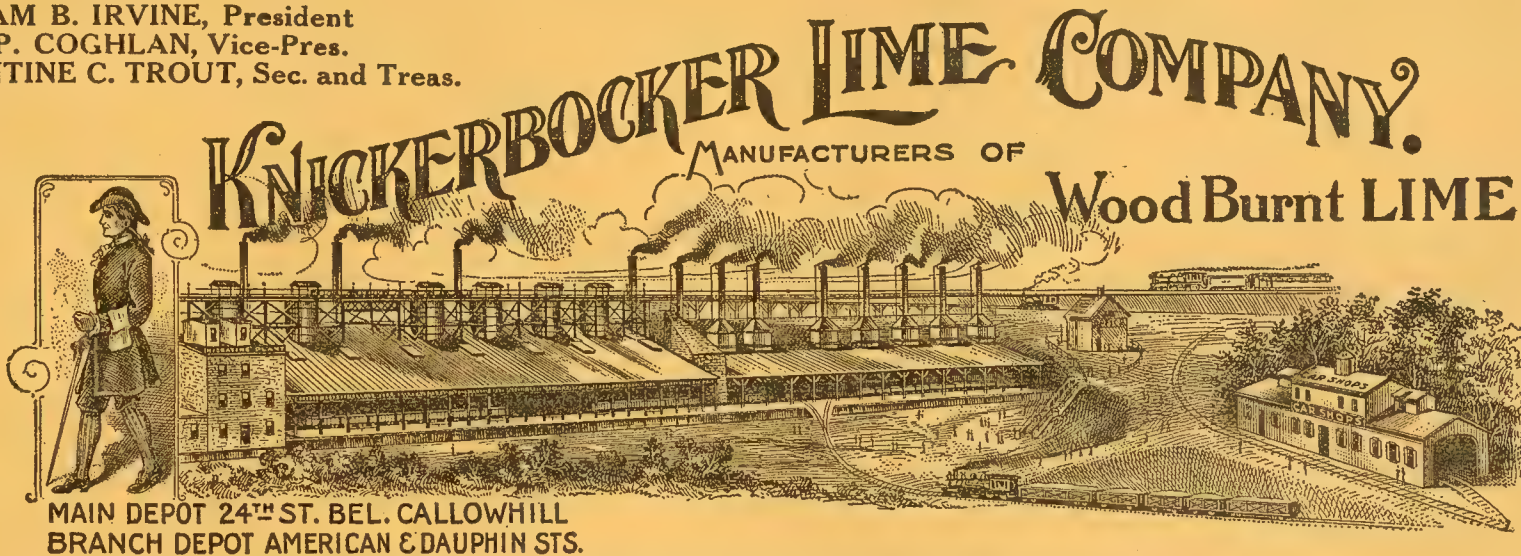
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Vol. XXVII., No. 22.

PHILADELPHIA, WEDNESDAY, MAY 29, 1912.

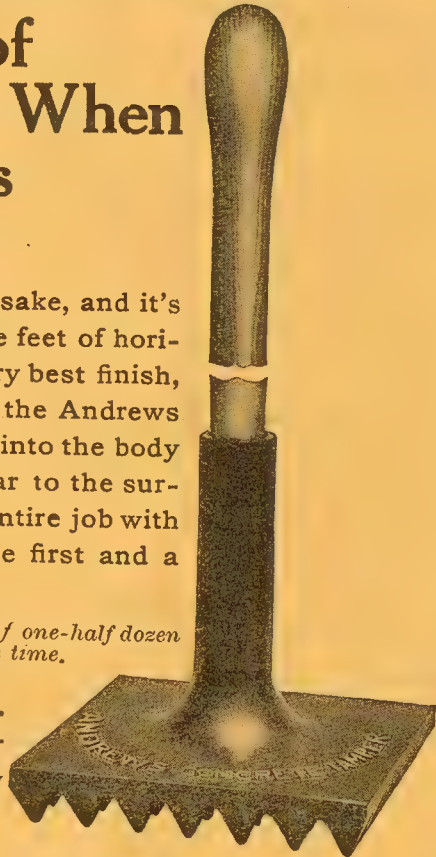
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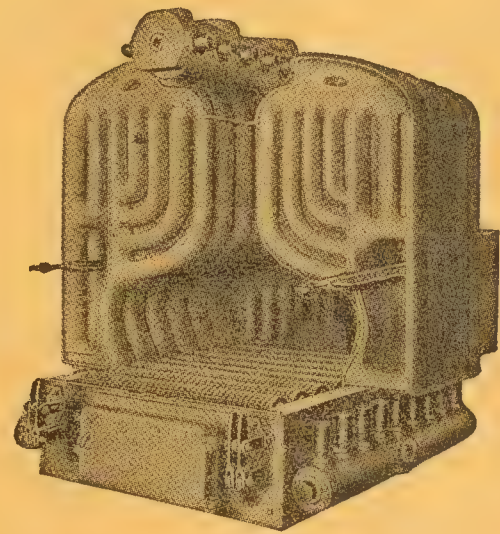
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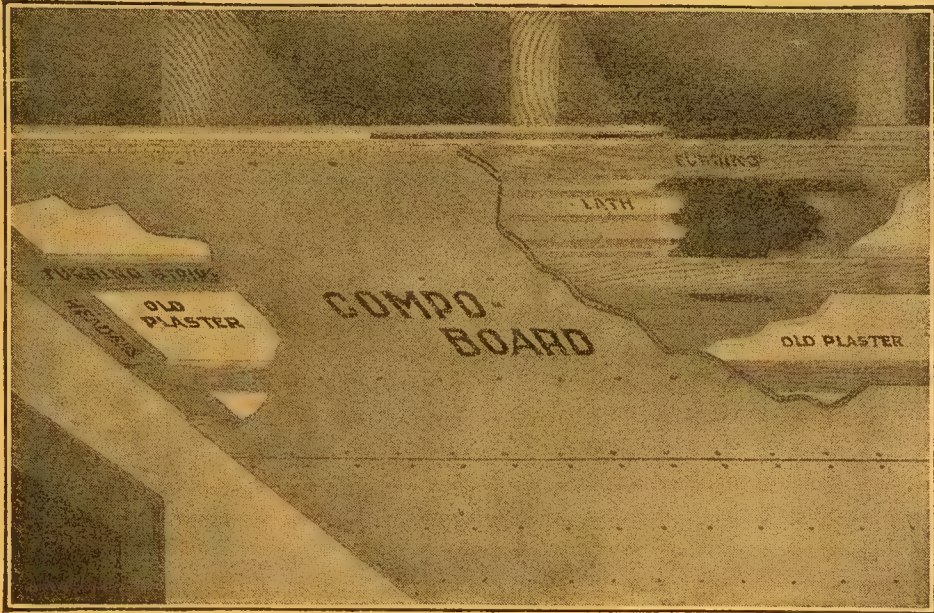


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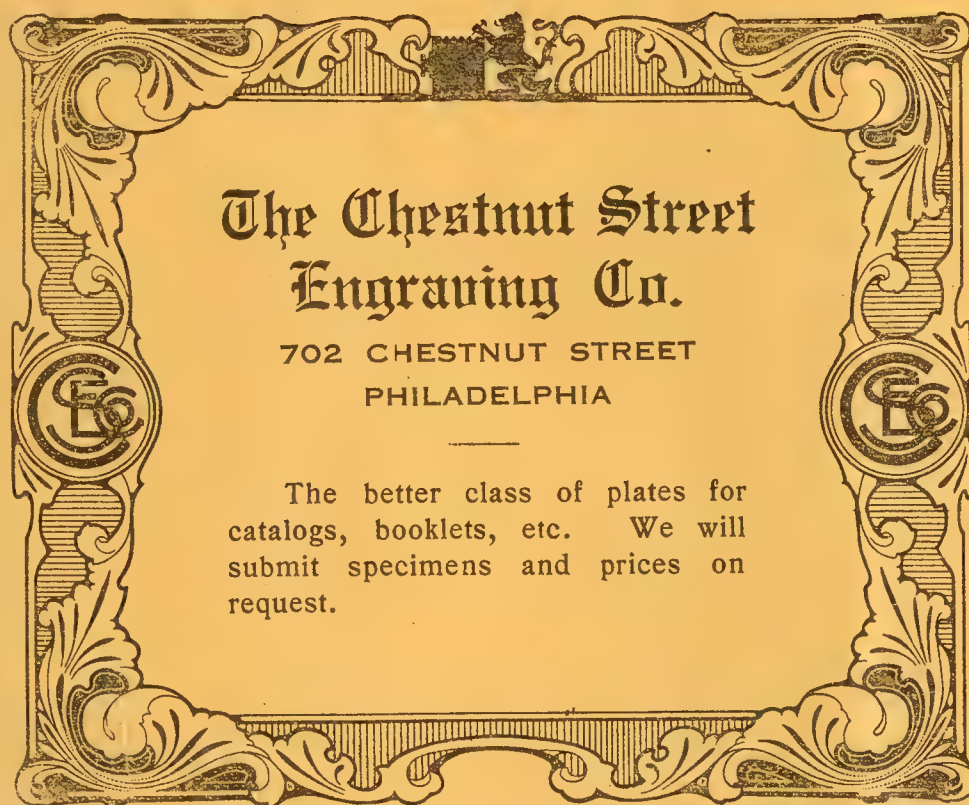
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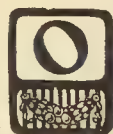
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Vol. XXVII., No. 22.

PHILADELPHIA, WEDNESDAY, MAY 29, 1912.

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## Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Residence, St. Martin's, Pa.** Architects, Thomas, Churchman & Molitor, 1309 Walnut street. Owner, Samuel S. Logan, 345 Pelham road. Stone, two and one-half stories, 60x60 feet, shingle roof, steam heating, electric lighting, hardwood floors. Architects taking bids due June 4. The following are figuring: F. W. Allison & Co., 1710 Rittenhouse street; Stacey Reeves & Sons, 1611 Filbert street; John E. Walt, 204 East Willow Grove avenue; Metzger & Wells, Heed Building; Pringle Borthwick, 3018 Germantown avenue; J. E. Kearney, 327 North Sixty-third street; Alfred James, Bala, Pa.

**Freight Station, Elizabethtown, Pa.** Architect, Chief Engineer of P. R. R. Co. Owner, Pennsylvania Railway Co., Philadelphia, Pa. Brick, two stories, 71x20 feet, electric lighting, rubberoid roof. Owners taking bids. J. R. Wiggins, Heed Building, is figuring.

**School (alt. and add.), Wyncote, Pa.** Architect, H. C. Wise, 34 South Sixteenth street. Owners, Board of Education of Cheltenham Township. Stone, electric lighting, copper roof. Architects taking bids due June 1. The following are figuring: P. J. Hurley, 1233 Cherry street; F. L. Hoover & Son, Builders' Exchange; F. T. Mercer, 1706 Delancey street; H. L. Brown, 1714 Sansom street.

**Stable and Coachman's House, Merion, Pa.** Architect, Frank Seeburger, Pennsylvania Building. Owner, M. J. McMenamin, Arcade Building. Stone, two stories, 50x60 feet, slate roof, steam heating, electric lighting. Plans about completed. Architect will take bids in a few days.

**Church, Williams street, Scranton, Pa.** Architects, Ballinger & Perrot, 1211 Arch street. Owners, Roman Catholic Church of the Holy Rosary, for Rev. N. J. McManus. Granite, one story and basement, 109x71 feet, nave 49x32 feet, marble, slate roof, electric lighting, steam heating. Architects taking bids due June 5. The following are figuring: Melody & Keating, Bailey Building; Wm. Gray & Son, Thirtieth and Spruce streets.

**Residence and Garage, Merion, Pa., \$12,000.** Architect, Charles Barton Keen, Bailey Building. Owner, Van Court Corinthin, Mariner & Merchants' Building. Stone, two and one-half stories, 55x30 feet, tile roof, hot water heating, electric lighting, hardwood floors. Architect taking revised bids. George L. Croll, Rosemont, Pa.; Milton W. Young, Overbrook, Pa., are figuring.

**Bungalow, Princeton, N. J.** Architect, Charles Barton ween, Bailey Building. Owner, Miss A. T. Wickoff, Princeton, N. J. Plans in progress. Details not decided.

**Stores and Apartments, Broad and Girard avenue.** Architects, Stuckert & Sloan, Crozer Building. Owner, George H. Earle, Jr., Real Estate Trust Building. Brick, terra cotta, new fronts. Architects taking bids due May 31. The following are figuring: E. E. Hollenbach, Fifteenth and Race streets; Wm. R. Dougherty, 1610 Sansom street; Geo. Hogg, 1636 Sansom street; P. J. Hurley, 1233 Cherry street; Wm. Ferguson & Son, 405 South Twenty-first street; Doak & Co., Crozer Building; B. Ketcham's Sons, 1029 Brown street.

**Building (alt. and add.), Ninth and Noble streets.** Architect, A. E. Bump, Boston, Mass. Owners, Swift & Co., Ninth and Noble streets. Brick and concrete, one story, 45x100 feet, enamel brick. Owners taking bids due May 31. The following are figuring: Irwin & Leighton, 126 North Twelfth street; Turner Concrete Steel Co., 1314 Arch street; A. R. Raff, 1635 Thompson street; Wm. Steele & Sons Co., 1600 Arch street.

**Theatre (alt. and add.), Broad and Porter streets.** Architect, C. E. Oelschlager, Harrison Building. Owners, Plaza Theatre Co., on premises. Brick, steel, concrete, fireproof, 80x190 feet, one story, slag roof, electric lighting. Plans in progress.

**Residence, Oak Lane, Pa.** Architect, W. L. Blithe, 608 Chestnut street. Owners, Chas. F. Glueck, 735 North Twenty-sixth street. Stone, two and one-half stories, shingle roof, electric lighting, hot water heating, hardwood floors. Plans in progress.

**Garage, Darby, Pa.** Architect, P. A. Phelan, Colwyn, Pa. Owner, J. H. Swope, Darby, Pa. Brick, one story, 50x50 feet, galvanized iron roof, electric lighting. Owner taking bids due May 31. Charles McCaul Co., Tenth and Sansom streets, is figuring.

**Milk Depot, Forty-seventh and Lancaster avenue.** Architect, Walter Smedley, Stephen Girard Building. Owner, Ed. W. Woolman, on premises. Brick, concrete, terra cotta and granite. Two stories, 100x83 feet, enameled brick, asbestos roof, electric lighting, steam heating. Architect taking bids due May 31. The following are figuring: Metzger & Wells, Heed Building; Cramp & Co., Denckla Building; R. C. Ballinger & Co., 219

North Thirteenth street; Wm. R. Dougherty, 1610 Sansom street.

**Ice Cream Pavilion, Point Breeze, Philadelphia.** Architect, Stuckert & Sloan, Crozer Building. Owner, Robert Crane, Twenty-third and Locust streets. Frame, one story, electric lighting, shingle roof. Plans in progress.

**Building, 339 Market street.** Architects, Stuckert & Sloan, Crozer Building. Owners, Horn & Hardardt Baking Co., 318 Market street. Brick and concrete, 25x100, two stories and basement, electric lighting, steam heating, slag roof. Plans in progress.

**Store and Office Building, Reading, Pa.** Architect, private plans. Owners, J. G. McCrorey & Co., 621 Broadway, New York City. Brick, four and one stories, 62x200 feet, slag roof, steam heating, electric lighting. Owners taking bids. Metzger & Wells, Heed Building, are figuring.

**Residence, Oak Lane, Pa.** Architect, Guy King, 1513 Walnut street. Owner, Mrs. M. E. Richards, care architect. Stone, two-and-one-half stories, 38x46 feet, shingle roof, electric lighting, hot water heating, hardwood floors. Architect taking bids due June 1. The following are figuring: Wm. R. Dougherty, 1604 Sansom street; J. E. Walt, 204 East Willow Grove avenue; T. E. Blake, Glenside, Pa.; J. F. Davies, 1207 Chestnut street; Wm. J. Gruhler, 219 High street; G. C. Fossell, 128 East Cheltenham avenue; A. Whitehead, 1624 Latimer street.

**Store and Apartments (alt. and add.), 826 North Broad street.** Architect, private plans. Owners, Cahall & McDonald, 830 North Broad street. Brick, three stories, electric lighting, steam heating, tin roof. P. J. Hurley, 1233 Cherry street, is taking sub-bids.

**Building (alt. and add.), 250 North Front street.** Architect, private plans. Owners, W. T. Tilden & Co., on premises. Brick, four stories, elevator shaft and elevators. Owners have received bids.

**Residence (alt. and add.), Seventeenth and Spruce streets.** Architects, Brockie & Hastings, 328 Chestnut street. Owner, Dr. L. Webster Fox, 1304 Walnut street. Brick, three stories, electric lighting, slate and tin roof, hot water heating, Ruud heater, hardwood floors. Architects have received bids.

**Stores and Hall, Logan Station, P. & R. R. Co.** Architects, Stuckert & Sloan, Crozer Building. Owners, Kahn & Greenburg, Morris Building. Brick and stucco, six sto-



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N. E. Cor. 22d and Wood Streets

ries, and hall, two stories, 35x88 feet, metal shingles, electric lighting, steam heating. Architects have received bids.

**Residence**, Pitman, N. J. Architects, Simon & Bassett, 1118 Chestnut street. Owner, Joseph Repp, care architects. Stone, two-and-one-half stories, 40x34 feet, slate roof, electric lighting, heat water heating, hardwood floors. Plans completed. Architects ready for bids.

**Residence** (alt. and add.), Gladwyne, Pa. Architects, Mills & Van Kirk, Harrison Building. Owner, Mrs. L. M. Ludlyn, on premises. Stone, two and one-half stories, hot water heating, electric lighting, slate roof, hardwood floors. P. J. Delaney, Gladwyne, Pa., is taking sub-bids.

**Apartment House**, Philadelphia (Central). Architects, Mills & Van Kirk, Harrison Building. Owner, name withheld. Stone, four stories, 16x80 feet, hardwood floors, hot water heating, tile baths, electric and gas lighting. Plans in progress.

**Residence** (alt. and add.), Alden, Pa. Architects, Mills & Van Kirk, Harrison Building. Owner, Dr. E. L. Pickett, on premises. Addition, 15x21 feet, stone, tin roof, tile bath, electric lighting, hardwood floors. E. C. Walton, Swarthmore, Pa., is taking sub-bids.

**Power House**, Harwood, Pa. Architects, Seofield Engineering Co., Arcade Building. Owners, Harwood Electric Co., Harwood, Pa. Concrete, brick, one story and basement, 40x50 feet. Stacey Reeves & Son, 1609 Filbert street, are figuring.

**Rectory** (alt. and add.), Sixteenth and Locust streets. Architects, Bissell & Sinkler, Bailey Building. Owners, St. Mark's P. E. Church, care A. G. Mortimer, 1625 Locust street. Stone, three stories, consists of interior alterations. Plans completed.

**Residence**, Chestnut Hill, Philadelphia. Architect, Horace Trumbauer, Land Title Building. Owner, Samuel A. Seipt. Brick and plaster, two and one-half stories, 30x31 feet, shingle roof, hot air heating, electric lighting. Architect taking bids due May 29. The following are figuring: A. R. Raff, 1635 Thompson street; S. Harting, 20 East Johnson street; J. S. Wilson & Co., 1125 Brown street; H. E. Grau Co., 1707 Sansom street; F. L. Hoover & Son, Builders' Exchange.

**Post Office**, Chester, Pa. (remodeling). Architect, J. Knox Taylor, Washington, D. C. Owner, U. S. Government, Treasury Department, Washington, D. C. Brick, stone, fireproof floors, two stories, slate roof, steam heating, electric lighting. Owners taking bids due June 27. Burd P. Evans & Co., Thirteenth and Wallace streets; D. W. McCauley, 411 Walnut street, are figuring.

**Church and Sunday School**, Forks Township, Pa. Architect, George E. Savage, Witherspoon Building. Owners, Salem Reformed Lutheran Union Church, care Ed. T. Yeisley. Stone, one story and basement, slate roof, electric lighting, steam heating. Owners taking bids. Plans completed.

**Building**, Broad and Columbia avenue, \$45,000. Architects, E. F. Durand & Son, Twelfth and Chestnut streets. Owners, Convent of the Sisters of Mercy, on premises. Brick, two stories, 35x120 feet, hall, laundry and class rooms, electric lighting, steam heating. Architects taking bids due May 29. The following are figuring: Wm. J. McShane, 417

South Thirteenth street; John McShain, 631 North Seventeenth street; Melody & Keating, Bailey Building; M. L. Conneen & Co., 315 South Twentieth street; Jacob Myers & Sons, Witherspoon Building; H. Schmidt, Sixth and Olney streets; J. R. Wiggins, Heed Building; M. Monahan, 214 South Twelfth street; Wm. R. Dougherty, 1604 Sansom street.

**Church**, Sixty-first and Jefferson streets, \$25,000. Architects, Ballinger & Perrot, 1211 Arch street. Owners, Mary and Simpson Memorial M. E. Church, care architects. Stone, one story and basement, slate roof, electric lighting, steam heating. Architects taking bids due May 31. The following are figuring: H. E. Batton, Tenth and Sansom streets; J. Myers Sons, Witherspoon Building; W. J. Cowell, 943 East Cheltenham avenue; H. C. Rea, 1021 Wood street; F. L. Hoover & Sons, Builders' Exchange; Appleton & Burrell, 1204 Chancellor street; F. J. Holm & Son, 4205 Brown street; J. F. Davis, 1208 Walnut street; A. Whitehead, 1624 Latimer street.

**Dining Room** (add.), Swarthmore, Pa. Architects, Bunting & Shrigley, 603 Chestnut street. Owners, Swarthmore College, Swarthmore, Pa. Consists of alterations and additions. Architects taking bids due June 3. The following are figuring: Thomas M. Seeds, 1207 Race street; A. C. Lewis, Swarthmore, Pa.; Wm. Provost, Chester, Pa.; E. C. Walton, Swarthmore, Pa.; J. D. Durnall, Swarthmore, Pa.

**Church**, Ridgefield, N. J. Architect, Geo. E. Savage, Witherspoon Building. Owners, First Baptist Church of Ridgefield, N. J. Tapestry brick, one story, 80x100 feet, slate roof, electric light, steam heat. Plans completed. Owner will take bids.

**Infirmary**, Bryn Mawr, Pa. Architects, Soule & De Forrest. Owners, Bryn Mawr College, on premises. Plaster, three stories, 86x90 feet, canvas roof (electric light, steam heat and plumbing reserved by owners). Owners taking bids due May 31. William R. Dougherty, 1608 Sansom street, is figuring.

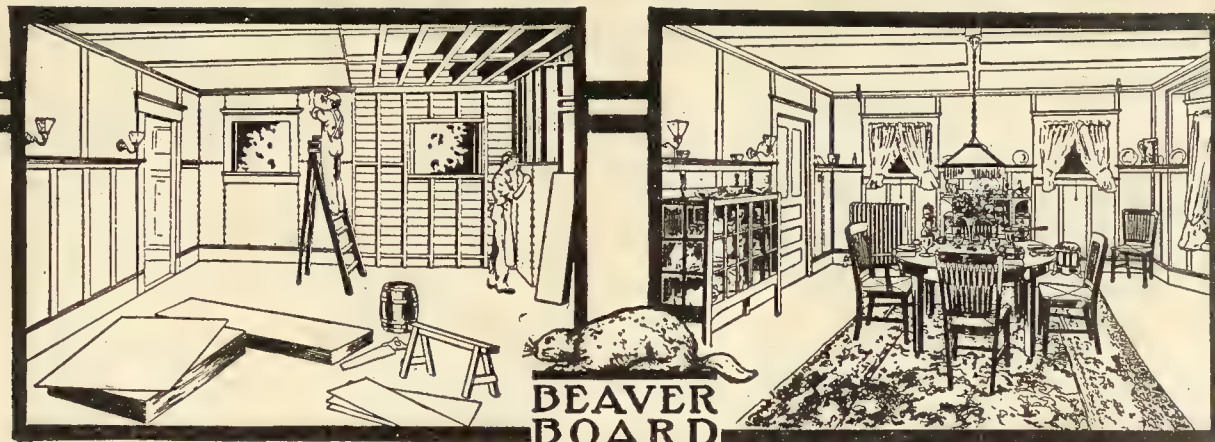
**Garage**, Germantown, Philadelphia. Architect, private plans. Owner, John T. Craig, 176 Manheim street. Brick, one story, 46x70 feet, slag roof, electric light. Owner taking bids due June 1. P. J. Hurley, 1233 Cherry street, is figuring.

**Garage, Cottage, Laundry and Power House**, Paoli, Pa. Architects, Evans, Warner & Bigger, Witherspoon Building. Owner, Mrs. S. B. Davis, Paoli, Pa. Stone, one story, electric light, steam heat, shingle roof. Plans completed. Architect will take bids in a few days.

**School**, Eighteenth and Wood streets, \$160,000. Architects, E. F. Durand & Son, Inc., Twelfth and Chestnut streets. Owners, Cathedral Parish School, care of Rev. W. J. Higgins. Brick, concrete, steel, three stories, 80x160 feet, roof garden, electric light, steam heat. Plans completed. Architect will take bids in a few days.

**Rectory** (alt. and add.), Sixteenth and Locust streets. Architects, Bissell & Sinkler, Bailey Building. Owners, St. Mark's Church, care of A. G. Mortimer, 1625 Locust street. Stone, three stories and interior alterations. Architect taking bids due May 28. The following are figuring: J. P. Thompson, 1432





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South Penn Square; Appleton & Burrell, 1204 Chancellor street; A. H. Williams & Son, 419 Locust street.

**Building (alt. and add.),** 624 and 626 South Broad street. Architects, Stuckert & Sloan, Crozer Building. Owner, George H. Earle, Jr., Real Estate Trust Building. Brick, four stories, electric light. Architect taking bids due June 1. The following are figuring: William R. Dougherty, 1608 Sansom street; P. J. Hurley, 1233 Cherry street; E. E. Henbach, Fifteenth and Race streets; Smith Hardican Company, 1609 Cherry street; William Ferguson, 405 South Twenty-first street; Harry Gill, 2200 Germantown avenue.

**Residence,** Enfield, Pa. Architects, Thomas, Churchman & Molitor, 1309 Walnut street. Owner, W. A. M. Fuller, Chestnut Hill, Philadelphia. Stone, three stories, 38x69 feet. Hot water heat, electric lighting, shingle roof, hardwood floors. Architects taking bids, due June 7th. The following are figuring: F. L. Hoover & Son, Builders' Exchange; M. S. Oberholtzer, 5524 Pulaski avenue; J. A. Walt, 204 East Willow Grove avenue; Carr & Hinkle, 5822 Germantown avenue; Pringle & Borthwick, 8018 Germantown avenue; Metzger & Wells, Heed Building; F. E. Wallace, 1210 Sansom street; F. Elvidge & Son, 5222 Germantown avenue.

**Residence,** Wilmington, Del. Architect, Charles Barton Keen, Bailey Building. Owner, James F. Fields, Du Pont Building, Wilmington, Del. Sayre & Fisher bricks, two and one-half stories, 50x30 feet. Shingle roof, vapor heating, electric lighting, hardwood floors. Architect taking bids. The following are figuring: John E. Healey, A. S. Reed & Cro. Co., H. Howard May, W. D. Haddock & Co., J. A. Bader & Co., all of Wilmington, Del., and George L. Croll, Rosemont, Pa.

**Warehouse,** Wheat Sheaf lane and Gaul street, Philadelphia. Architects, Ballinger &

Perrot, 1211 Arch street. Owner, F. W. Tunnell & Co., 15 North Fifth street. Brick, one story, 243x40 feet. Slag roof, electric lighting. Architects taking bids, due June 4th. The following are figuring: H. E. Baton, Tenth and Sansom streets; William R. Brown, 2145 East Firth street; Appleton & Burrell, 1204 Chancellor street; F. A. Havens & Co., 845 North Nineteenth street; B. Ketcham's Sons, 1029 Brown street.

**Freight House,** Canal Dover, Ohio. Architect, office of architect, Baltimore, Md. Owners, Baltimore & Ohio Railway Company. Concrete and frame, one story, 80x25 feet. Composition roof. Owners taking bids. Roydhouse-Arey Company, Fidelity Building, are figuring.

**Mill Building,** Buffalo, N. Y. Architects, A. E. Baxter Eng. Appraisal Co., Buffalo, N. Y. Owners, Standard Milling Co., Buffalo, N. Y. Concrete and steel, 60x140 feet, nine stories. Slag and concrete roof, electric lighting, steam heating. Architect taking bids, due June 3rd. Roydhouse-Arey Co., Fidelity Building, are figuring.

**Residence (alt. and add.), and new Garage,** Chester, Pa. Architects, Sewardson & Page, 380 Walnut street. Owner, Dr. H. M. Hiller, Chester, Pa. Brick and frame, limestone trimmings, three stories. Slate roof, electric lighting, hot water heating, hardwood floors. Architects taking bids, due June 1st. The following are figuring: J. D. Flounders, 1329 Arch street; William Provost, Chester, Pa.; Molen Bros., Chester, Pa.; F. L. Morris, Chester, Pa.; J. I. Taylor, Chester, Pa.

**Residence,** Eighteenth and Race streets. Architect, H. R. Dagit, 411 Walnut street. Owner, Archbishop E. F. Prendergast, 223 West Logan Square. Granite, brownstone trimmings, stone, three stories, 91x48 feet. Slag roof, electric lighting, steam heating. Architect taking bids, due June 4th. The fol-

lowing are figuring: Melody & Keating, Bailey Building; Cramp & Co., Denckla Building; T. Reiley, 1616 Thompson street; Doyle & Son, 728 North Forty-sixth street; M. L. Conneen, 315 South Twentieth street.

**Residence,** Wyndmoor, Pa. Architects, Morris & Edskine, Crozer Building. Owner, H. G. Shill, care of architect. Stone, limestone trimmings, three stories, 34x33 feet. Slate roof, electric lightin. Architect taking revised bids, due May 29th. The following are figuring: H. E. Grau Company, 1707 Sansom street; F. S. Davis, 35 South Seventeenth street.

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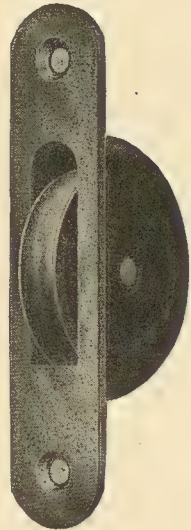
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Philadelphia

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Post Office, Penn Yan, N. Y., \$35,000. Architect, J. Knox Taylor, Washington, D. C. Owner, U. S. Government, Treasury Department, Washington, D. C. Brick, one story, 50x70 feet, tin roof, electric lighting, steam heating. Contract awarded to D. T. McCarthy, 411 Walnut street.

Hospital (alt. and add.), Thirty-fourth and Spruce streets. Architect, Philip Johnson, Land Title Building. Owners, Department of Public Health and Charities, Room 584, City Hall. Brick and concrete. Contract awarded to Sax & Abbott, Hale Building.

School, Berwyn, Pa. Architect, H. L. Reinhold, Tenth and Sansom streets. Owners, School District of Easton, Pa., care Geo. S. Hutton, pres. Brick, two stories, 44x87 feet, slate roof, electric lighting, hot water heating. Contract awarded to W. J. Elliot, Coatesville, Pa.

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## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Residence, Trenton, N. J. Architects, A. H. Moses and George E. Poole Association, 134 South Sixteenth street. Owner, Hon. F. O. Biggs, care architects. Brick, three stories, 44x72 feet, slate roof, steam heating, electric lighting, hardwood floors. Contract awarded to Louis Lawton, Trenton, N. J.

Passenger Station, Bridgeport, Pa. Architects, Stone & Webster, Boston, Mass. Owners, Philadelphia & Western R. R. Co., Sixty-ninth and Market streets. Copper and steel, one story, 20x114 feet, asbestos shingle roof, electric lighting. Contract awarded to Worrell & Waters, Rosemont, Pa.

Residence (alt. and add.), and Garage, 3819 Walnut street. Architects, Baker & Dallett, 1629 Chestnut street. Owner, Herbert D. Allman, on premises. Brick, two stories, electric lighting, tin roof, hot air heating. Contract awarded to Burd P. Evans & Co., Thirteenth and Wallace streets.

Residence, Woodbury, N. J., \$6,500. Architect, C. R. Peddle, 136 South Fourth street. Owner, H. Churchman, Woodbury, N. J. Frame, two and one-half stories, electric lighting, hot air heating, shingle roof. Contract awarded to W. D. Fletcher, Woodbury, N. J.

School (add.), Chester, Pa., \$8,945. Architects, Seymour & Paul A. Devis, 1713 Sansom street. Owners, Board of Education, Chester, Pa. Brick, two stories. Contract awarded to Wm. Ward, Chester, Pa.

Residence, Wilmington, Del. Architect, Charles Barton Keen, Bailey Building. Owner, Dr. Joseph Whiles, Wilmington, Del. Sayre & Fisher bricks, two and one-half stories, 50x40 feet, shingle roof, hardwood floors (plumbing and heating reserved). Contract awarded to M. Howard May, Wilmington, Del.

Warehouse, Twenty-fourth and Wood streets. Architects, Sauer & Hahn, 1118 Chestnut street. Owners, Ford & Kendig, Twenty-fourth and Wood streets. Brick and concrete, two stories, 63x144 feet, slag roof, electric lighting. Contract awarded to Thos. Little & Son, 1613 Sansom street.

Factory, Riverside, N. J. Architect, W. E. S. Dyer, Land Title Building. Owners, Henry Taubel & Sons, Riverside, N. J. Brick, four stories, 44x111 feet, slag roof, electric lighting. Contract awarded to Westcott & Windgate, 2011 Belmont avenue.

Building (alt. and add.), Fourth and Chestnut streets. Architects, Furness & Evans Co., Fourth and Chestnut streets. Owners, Provident Life and Trust Building, Fourth and Chestnut streets. Interior (alterations and additions) on fourth floor. Contract awarded to A. P. Fraim, 319 Market street.

Y. M. C. A. Building, Reading, Pa. Architects, Shattuck & Hussey, Chicago, Ill. Owners, Y. M. C. A., fo Reading, Pa. Stone, brick rete, fireproof, s xirss 5 toe, 1106xTAINOE1 and concrete, fireproof, six stories, 106x135 feet, slag roof, electric lighting, steam heating. Contract awarded to L. H. Focht, Reading, Pa.

Building (alt. and add.), Southwest corner of Twelfth and Market streets, \$50,000. Architects, Sauer & Hahn, 1118 Chestnut street. Owners, Continental-Equitable Trust Co. Lessees, Bedell Co., 14 West Fourteenth street, New York City. Consists of new front and interior alterations. Contract awarded to F. A. Havens Co., 845 North Nineteenth street.

Residence (alt. and add.), Chestnut Hill, Philadelphia. Architect, H. W. Sellers, Stephen Girard Building. Owner, E. T. Earle, Chestnut Hill. Stone, three stories, slate roof, electric lighting. F. L. Hoover & Sons awarded contract.

Hall, Convent Station, N. J. Architects, Maginnis & Walsh, Boston, Mass. Owners, St. Elizabeth's College, Convent Station, N. J. Brick, four stories, slate roof. Contract awarded to Thomas Reilly, 1616 Thompson street.

Residence, West Collingswood, N. J., \$6,500. Architect, C. R. Peddle, 134 South Fourth street. Owner, J. Buob, West Collingswood, N. J. Frame, two and one-half stories, shingle roof, hot water heating, electric lighting. Contract awarded to B. F. Renar, West Collingswood, N. J.

Store Building, 835 Market street. Architects, Anderson & Haupt, Drexel Building. Owners, The Fink Co., on premises. Brick, six stories, 20x140 feet, tin roof, electric lighting, steam heating. Contract awarded to Smith, Hardican Co., 1606 Cherry street.

Storage Shed, Fiftieth and Lancaster avenue. Architect, private plans. Owners, Standard Roller Bearing Company, on premises. Steel and corrugated iron, three stories, 78x15 feet. Concrete base. Contract awarded to Pennsylvania Construction Company, 14 South Broad street.

Residence (alt and add.), and Garage, Bala, Pa. Architect, Frank Seeburger, Pennsylvania Building. Owner, J. V. E. Titus, Bala, Pa. Stone and plaster, two and one-half stories. Shingle roof, hot water heating, electric lighting, oak floors. Contract awarded to Carvan Construction Company, 5144 Locust street.

Residence, Chestnut Hill, Pa. Architects, Brackie & Hastings, 328 Chestnut street. Owner, Mrs. Mary A. Ross, care of architect. Stone, two and one-half stories, 32x92 feet. Shingle roof, hot air heating, Ruud heater, hardwood floors, electric lighting. Contract awarded to G. S. Reth & Son, 230 East Graver's lane.

Residence, Penn Grove, N. J. Architect, Charles W. Denny, 1524 Chestnut street. Owner, L. W. Cook, Penn Grove, N. J. Brick, three stories, 28x34 feet. Asbestos shingle roof, electric lighting, hardwood floors. Contract awarded to H. S. Titus & Sons Penn Grove, N. J.

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O is the abbreviation for owner. C is for contractor.

F. L. Michaelson (O), 636 North Fortieth street. Cost, \$2,500. One dwelling, two stories, 16x49 feet, brick. Cost, \$16,000. Seven dwellings, Fifty-eighth and Sansom streets.

H. Brocklehurst (O), 512 West Norris street. Cost, \$3,000. Dwelling, two stories, 16x50 feet, brick. Thirteenth and Ontario streets. Cost, \$2,500. Dwelling. Cost, \$2,200. Dwelling. Cost, \$1,800. Dwelling.

Minnie Greenhirsh (O), 6019 Market street. Berman Bros. (O), 6019 Market street. Cost, \$15,000. Five dwellings, two stories, 16x27 feet, brick, Sixtieth and Osage avenue. Cost, \$3,500. One dwelling.

F. C. Scheld (O), 2027 East Susquehanna avenue. A. A. Belfield (C), 7231 State road. Cost, \$1,600. Store and dwelling, two stories, 15x50 feet, brick, 2029 East Susquehanna avenue.

William Parker (O), 2926 Van Pelt street. A. H. Mery (C), 2127 Bellevue street. Cost, \$1,500. Stable, two stories, 30x40 feet, brick, Indian avenue and Van Pelt street.

E. M. Cooper (O), 14 South Broad street. Cost, \$6,000. Apartment house, three stories, 18x36 feet, brick, Thirty-fourth and Race streets.

Goodman & Layton (O), Land Title Building. Cost, \$406,000. Fourteen dwellings, two stories, 15x26 feet, brick, Fifty-first and Aspen streets. Cost, \$342,000. Nine dwellings. Cost, \$7,600. Two dwellings. Cost, \$14,500. Five dwellings.

Philadelphia Electric Co. (O), Tenth and Chestnut streets. J. R. Wiggins (C), Heed Building. Cost, \$115,000. Power house, two stories, 55x85 feet, brick, Schuylkill River and Christian street.

James Hasting (O), 1510 Washington avenue. Cost, \$50,000. Apartment house, five stories, 48x200 feet, brick, 1217 South Broad street.

Manufacturers' Club (O), Broad and Walnut streets. Irwin & Leighton (C), 126 North Twelfth street. Cost, \$700,000. Club, ten stories, 97x100 feet, brick, Broad and Walnut streets.

James S. Young (O), Twelfth and Quarry streets. Turner Concrete Steel Co. (C), 1314 Arch street. Cost, \$20,000. Manufacturing building, Twelfth and Quarry streets.

C. White Bros. (O), 5441 Haverford avenue. Cost, \$3,000. One dwelling, two stories, 14x50 feet, brick, Fifty-fourth and Haverford avenue. Cost, \$3,000. One dwelling, two families. Cost, \$3,000. One dwelling, two families. Cost, \$3,000. One dwelling.

H. P. Schneider (O), York and Erie avenue. Cost, \$10,200. Six dwellings, two stories, brick, 14x46 feet. Cost, \$2,100. One dwelling, two stories, brick, 15x46 feet, Forty-ninth and Parkside avenue.

J. Mackiewicz (O), 4453 Almond street. A. Johnson (C), 4267 Sansom street. Cost,

\$3,400. Two dwellings, two stories, 14x62 feet, brick, 710 Orthodox street.

John Brough (O), 6637 North Sixth street. Cost, \$12,000. Six dwellings, two stories, brick, 16x43 feet, H and Gilham streets.

Morris Banish (O), 422 South Fifth street. M. Hirschner (C), 421 Snyder avenue. Cost, \$4,600. One store and dwelling, three stories, 18x67 feet, 422 South Fifth street.

Harry Eisen (O), 505 Chestnut street. M. Tonkin (C), 245 Greenwich street. Cost, \$1,000. Store and dwelling, 2327 Ridge avenue.

John Seynard (O), Germantown avenue and Penni street. Joseph Thurman & Co. (C), 92 Callum street. Cost, \$3,500. Two dwellings, two stories, brick, 16x28 feet, Germantown avenue and Penn street.

S. B. Zehr (O), 812 East Tioga street. Turner & Zehr (C), 812 East Tioga street. Cost, \$1,800. One dwelling, two stories, brick, 15x30 feet.

J. T. Lewis & Bros. Co. (O), Huntingdon and Thompson streets. Turner Concrete Co. (C), 1314 Arch street. Cost, \$130,000. One 185x265 feet factory.

M. Ruth Gillett (O), 921 Magee street. Michael Stevens (C), 920 Magee street. Cost, \$6,500. One residence, three stories, stone, 41x35 feet, Magee street and Rising Sun avenue.

George M. Robinson (O), 549 Du Pont street. Cost, \$5,600. Two dwellings, three stories, brick, 16x54 feet, Walnut lane and Ridge avenue.

Pennsylvania Galvanizing Co. (O), 50 North Twenty-third street. Cost, \$12,000. Factory, one story, 100x132 feet, concrete, Twenty-second and Race streets.

E. Ott (O), 7318 Germantown avenue. W. H. Foulk (C), 7821 Germantown avenue. Cost, \$5,000. One dwelling, brick, three stories, 21x41 feet, 7318 Germantown avenue.

E. E. Bratton (O), 5034 Cedar avenue. The Bratton Co. (C), 5034 Cedar avenue. Cost, \$5,000. Apartment house, four stories, 160x105 feet, brick, 231-33 South Fortieth street.

George R. Osborne (O), 5017 Willow street. Cost, \$9,500. Five dwellings, two stories, 15x27 feet, brick, Fiftieth and Hawthorne streets. Cost, \$2,050. One dwelling.

Ed. L. Cuthbertson (O), 334 Roxborough avenue. Cost, \$3,500. One dwelling, two stories, 16x30 feet, brick, Walnut lane and Boone street.

Aaron Yocum (O), Twenty-ninth and Lehigh avenue. Cost, \$22,000. Eleven dwellings, brick, two stories, 14x26 feet, Front and Ontario streets.

H. S. Matthew (O), 105 North Fifty-second street. Cost, \$14,500. Five dwellings, brick, two stories, 14x25 feet, Adams and Frankford avenue. Cost, \$2,700. Onestore and dwelling.

Cost, \$42,000. Fifteen dwellings. Cost, \$25,000. Eighth dwellings.

Kahn & Greenburg (O), Morris Building. H. Gill, Jr. (C), 2200 Germantown avenue. Cost, \$33,000. Manufacturing building, brick, five stories, 40x137 feet, 2043 Arch street.

Mrs. K. E. Murphy (O), care of architect, Itherspoon Building. M. E. Hauser (C), Glenside, Pa. Cost, \$5,600. One dwelling, three stories, stone, 30x31 feet, Park and Medary avenues.

W. C. Benkert (O), Real Estate Trust Building. H. L. Brown (C), 1714 Sansom street. Cost, \$12,000. Stores and offices, four stories, brick, 20x92 feet, 1500 Arch street.

M. Shenny (O), Thirteenth and Market streets. J. F. Stewart (C), Fifty-fifth and Walnut streets. Cost, \$5,000. Garage, two stories, 37x113 feet, brick, Fifty-fifth and Walnut streets.

Mrs. L. Blankenhorn (O), Holmesburg, Pa. F. J. Blankenhorn (C), Holmesburg, Pa. Cost, \$1,000. Dwelling, Holmesburg, Pa.

Ella Wemrick (O), 1762 North Twenty-eighth street. A. R. Raff (C), 1636 Thompson street. Cost, \$500. Dwelling, 1762 North Twenty-eighth street.

Philadelphia and Reading R. R. Company (O), Twelfth and Market streets. Brown-King Construction Company (C), Richmond and Cumberland streets. Cost, \$11,000. Freight house.

Estate of J. Dobson (O), 26 North Delaware avenue. A. P. Fraim (C), 319 Market street. Cost, \$9,200. Store, 828 Filbert street.

William Beechman (O), 5309 Master street. Cost, \$1,200. Garage, Conestoga and Thompson streets.

Mary E. Struss (O), 2649 North Fifth street. N. Freiling, 2553 North Fifth street. Cost, \$800. Dwelling, 2649 North Fifth street.

Frances Nowaczek (O), 3022 Richmond st. J. Janoyszek (C), 2731 East Cambria street. Cost, \$1,200. Dwelling and store, 3022 Richmond street.

J. McHugh (O), Fifteenth and Filbert streets. Edward Fay & Son (C), 1521 Ransstead street. Cost, \$600. Store, 20 North Twelfth street.

Domoni Cini (O), 1126 South Ninth street. J. B. Perkins Company (C), 925 Chestnut street. Cost, \$500. Factory, 1126 South Ninth street.

M. Leach (O), 2312 East Adam street. W. A. Parries (C), 2443 Cedar street. Cost, \$400. Dwelling, 2312 East Adams street.

J. D. McIlheney (O), Johnson street and Lincoln Drive. G. W. Hirshaw (C), 635 West Johnson street. Cost, \$1,800. Dwelling, 6304 Wissahickon avenue.

J. G. Vogler (O), 2309 North Broad street. A. Stehle (C), 118 Wyoming avenue. Cost, \$1,900. Dwelling, 2309 North Broad street.

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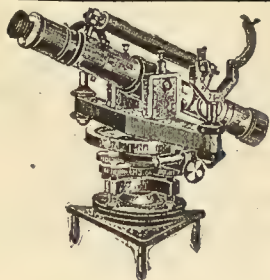
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Presbyterian Home (O), Fifty-eighth and Greenway avenue. W. J. Gruhler & Co. (C), 219 High street. Cost, \$2,650. Laundry, Fifty-eighth and Greenway avenue.

Morris Sinckel (O), 610 Wharton street. Charles Schnitzer (C), 336 Fitzwater street. Cost, \$450. Dwelling, 610 Wharton street.

Acme Tea Co. (O), Fourth and Willow streets. Turner Concrete Steel Co. (C), 1314 Arch street. Cost, \$10,000. Bakery, Twenty-fifth and York streets.

## Alterations and Additions

Philadelphia Warehouse & Cold Storage Co. (O), Delaware avenue and Noble street. Cost, \$3,000. Boiler house, Front and Noble streets.

J. B. Spencer (O), 5229 Germantown avenue. Cost, \$430. Dwelling.

A. J. Luburg (O), 2250 North Broad street. I. H. Days (C), 1613 North Twelfth street. Cost, \$550. Manufacturing, 321 North Eighth street.

W. Bain (O), 2730 Frankford avenue. F. P. Kennedy (C), B and Thayer streets. Cost, \$1,600. Store and dwelling, 2730 Frankford avenue.

J. M. Kennedy, Jr. (O), Tenth and Chestnut streets. F. P. Kennedy (C), B and Thayer streets. Cost, \$800. Store and dwelling, 2736 Frankford avenue.

W. H. Bennett (O), 4437 Spruce street. A. C. Townsend (C), 5127 Spruce street. Cost, \$1,300. Saloon, Tenth and BGFrown streets.

J. W. McCartney (O), 2016 North Broad street. I. Davis (C), Hale Building. Cost, \$385. Dwelling, 2016 North Broad street.

H. Cox (O), Sixtieth and Vine streets. G. W. Steinwick (C), Darby, Del., Pa. Cost, \$650. Dwelling, Sixtieth and Vine streets.

The Franklin Printing Co. (O), 514 Ludlow street. The Vulcanite Paving Co. (C), Land Title Building. Cost, \$1,400.

Presbyterian Hospital (O), Nineteenth and Filbert streets. M. F. & J. Rayner (C), 4128 Peckin street. Cost, \$700. Alterations, hospital, Thirty-ninth and Filbert streets.

H. R. Fox (O), 1828 Ontario street. A. H. Meiz (C), 2127 Bellevue street. Cost, \$700. Dwelling, 1828 Ontario street.

Girard Trust Co. (O), Broad and Chestnut streets. J. M. Daniels (C), 252 South Juniper street. Cost, \$1,400. Store, 211 North Third street.

A. Pennachio (O), Fifty-first and Market streets. Otto Manufacturing Co. (C), 503 Morris street. Cost, \$450. Bakery, Fifty-seventh and Media streets.

Land Title & Trust Co. (O), Broad and Chestnut streets. A. S. Brown (C), 816 East Allegheny avenue. Cost, \$875. Store and dwelling, 807 Columbia avenue.

St. Joseph's House (O), Eighth and Pine streets. Harry E. Rust (C), 724 Ludlow street. Cost, \$1,500. School.

M. J. Lazaroff (O), 1418 South Sixth street. Cost, \$2,500. Dwelling and store, 1004 South Fifth street.

M. Myers (O), 876 North Forty-eighth street. C. Shehlmann & Sons (C), 871 Belmont avenue. Cost, \$400. Residence. Cost, \$1,000. Stable, 876 North Forty-eighth street.

North Broad Street Church (O), Broad and Green streets. Charles Salmey (C), 1022 Ridge avenue. Cost, \$1,275. Church, Broad and Green streets.

United Cigar Stores Co. (O), New York City. Edw. Fay & Son (C), 1521 Ranstead street. Cost, \$2,500. Store, Eleventh and Chestnut streets.

J. F. Shields (O), 121 Maplewood street. M. S. Oberholtzer (C), 5524 Pulaski avenue. Cost, \$550. Dwelling, 121 Maplewood street.

Louis M. Morris (O), 1823 Green street. Cost, \$1,200. Dwelling, 2028 Green street.

S. A. Hannel (O), Fifty-second and Jefferson streets. W. E. Biscoe (C), 3954 Ludlow street. Cost, \$3,000. Store and dwelling, Fifty-second and Jefferson streets.

Max Bott (O), 3608 North Fifth street. George Myers (C), 3707 North Fifth street. Cost, \$600. Store and dwelling, 3532 North Fifth street.

James Milne (O), 3092 Kensington avenue. Wm. J. Jones (C), 2947 North Fifth street. Cost, \$2,500. Store and dwelling, 3093 Kensington avenue.

American Rubber Co. (O), Osceola and East Rittenhouse streets. Stewart Bros. (C), 2528 North Orkney street. Cost, \$1,000. Storage shed, Osceola and East Rittenhouse streets.

P. F. Kenan (O), 1201 Chetsnut street. M. L. Conneen & Co. (C), 315 South Twentieth street. Cost, \$2,200. Dwelling, 1952 Locust street.

City of Philadelphia (O), City Hall. Frank Pettit (C), 809 Master street. Cost, \$2,500. Hall, Broad and Allegheny avenue.

William Littig (O), Belmont and Westminster avenues. John Swartley & Co. (C), 1325 Arch street. Cost, \$5,000. Saloon, Belmont and Westminster avenues.

H. Neashance & Sons (O), Amber and Willard streets. H. R. Hennicke (C), Drexel Building. Cost, \$2,595. Chimney, shaft. Collins and Willard streets.

L. Kobler (O), Fifty-ninth and Girard avenue. M. C. Spengler (C), 414 North Fifty-ninth street. Cost, \$1,100. Dwelling, 412 East Edgewood street.

Benham & Perkenpine (O), 402 Land Title Building. Cost, \$1,000. Dwelling, Baltimore avenue and Alden street. Cost, \$1,000. Dwelling, Fifty-seventh and Baltimore avenue. Cost, \$1,000. Dwelling, Baltimore avenue and Cecil street.

The Provident Life & Trust Co. (O), Fourth and Chestnut streets. A. P. Fraim (C), 319 Market street. Cost, \$1,200. Office, Fourth and Chestnut streets.

James Cassady (O), Thirteenth and Pass-yunk avenue. H. B. Shetzline (C), 2227 South Broad street. Cost, \$1,000. Garage, Thirteenth and McKean streets.

Girard Trust Co. (O), Broad and Chestnut streets. Brownworth & Co. (C), Real Estate Trust Building. Cost, \$670. Apartments, 235-45 South Fifteenth street.

Hanover Shoe Co. (O), Hanover, Pa. F. L. Hoover (C), Builders' Exchange. Cost, \$4,500. Store, 1030 Chestnut street.

J. H. Leeds (O), 607 West Upsal street. Charles Johnson (C), 5701 Boyer street. Cost, \$500. Garage, Lincoln drive and Hortter street.

Thomas T. Green (O), 6031 Master street. Paul Otty (C), Seventy-second and Haverford avenue. Cost, \$650. Dwelling, 6031 Master street.

Hare & Chase (O), 311 Walnut street. Bushnell Bros. (C), 2246 North Fifth street. Cost, \$1,300. Offices, 311 Walnut street.

Roehner Bros. (O), Twenty-seventh and Thompson streets. P. I. Winty (C), 1618 North Twenty-seventh street. Cost, \$650. Stable, 1321 North Marston street.

M. D. Guano (O), 829 Christian street. J. Palaia (C), 712 Fitzwater street. Cost, \$730. Store and dwelling, 829 Christian street.

Antoni Stehanowick (O), 131 Grape street. M. Denwa (C), 324 Harvey street. Cost, \$2,000. Store house, 131 Grape street.

(Continued on page 364.)



## Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

\*\*A brick was only a brick ten years ago; but to-day a brick, even of the scrappy kind that will not even pass muster as a building unit in a large city for bearing walls, will be eagerly bought up by originating architects who constantly are seeking new ideas; the novel and the unique.

Stanford White went to the scrap pile of the Sayre & Fisher Company at Sayreville, N. J., to find the brick for Dr. Parkhurst's church in New York, said to be architecturally the most perfect in the country. And so there is just as much room for brick manufacturers to become progressive and modern in their business as there is for the dry goods merchant to resort to publicity, just as much room for the brick manufacturer who produces something that everybody must use, to advertise as it is for the telephone companies to use publicity.

\*\*The bureau of statistics of the Department of Commerce and Labor reports the world's international trade in 1911 as \$35,500,000,000, an advance from \$20,500,000,000 in 1901. Part of this great increase is no doubt due to the tendency of countries to specialize in production, a tending which in so far as it helps to stimulate commerce adds to the value of real estate in centers of trade like New York and Philadelphia.

\*\*St. Albans claims the oldest inhabited house in England, according to the "London Chronicle." The Priory in Holywell Hill, was once the Bull Inn, and as such was visited by Queen Elizabeth; while off the High street is the George Inn, dating from 1416, which at the time had its private chapel for the use of its guests.

\*\*The Board of Aldermen is expected to appoint a committee to revise the list of street names in Brooklyn. The committee will visit every section of the borough and give public hearings. Brooklyn has long writhed under the affliction of inappropriate names, as has many other towns, and it is hoped now to make some improvement in this respect. On the whole the nomenclature of the public streets and places in this country is worse than commonplace.

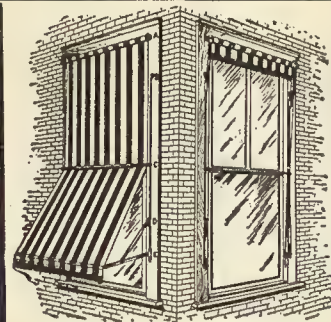
\*\*E. S. Wheeler, Assistant Commissioner of

the Department of the Interior of the Government of Porto Rico, writes that his department is desirous of obtaining catalogues, price lists, etc., of contracting machinery, tools, building materials, supplies and so forth, for files and references for its divisions of Buildings, Public Works, Irrigation, etc.

\*\*The Follansbee Brothers Company, Pittsburgh, Pa., have recently completed moving pictures of their open hearth works, tin plate and sheet mills, showing from start to finish the manufacture of roofing tin. These pictures were first shown at Cleveland during the convention of the Ohio Hardware Association and later at Albany, N. Y., during the convention of the New York Retail Hardware Dealers' Association. They were shown continuously at the local theatres at each of the places mentioned. The stories were told in three reels, approximately 3,000 feet of films. It being impossible for many ever to visit the mill, these pictures will afford such an opportunity to become familiar with the latest practices in making tin plate. It is the intention to show these pictures throughout the country.

\*\*At the annual meeting of the stockholders of the General Fireproofing Company, it was decided to build an addition to the plant at once. W. H. Foster was elected president, succeeding M. I. Arms, who was made chairman of the board of directors. The new building is to be an addition to the steel furniture department and will be erected just east of the present furniture building. W. H. Foster, who becomes president of the General Fireproofing Company, has been vice-president and general manager. In his new position he will continue to be the active head of the plant.

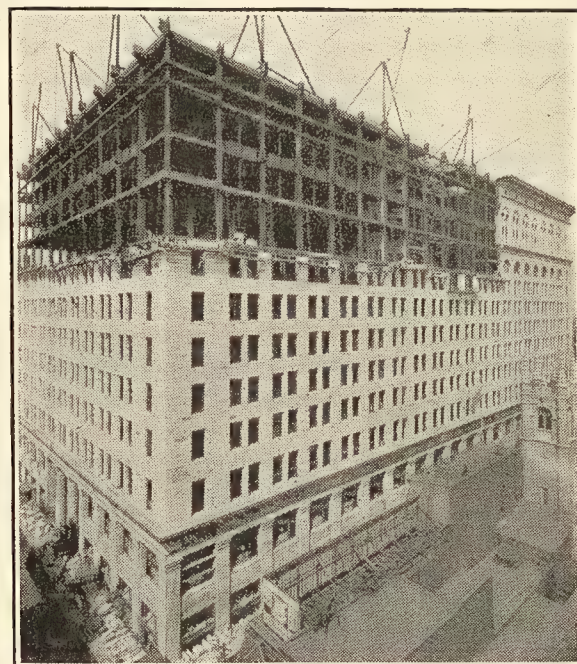
\*\*Pumice stone-concrete floors have been used for various concrete buildings with great success. They are in form of large slabs, which are placed over the construction beams. Upon these, wire mesh reinforcement is laid which is again covered by a second concrete slab. Fire tests made with these floors proved that they were able to resist a heat 1099 degrees C. for two hours without showing any effect.



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\*\*The new American idea of the Safety Engineer, an accident prevention specialist, will be brought to the notice of world industrialists at an International Safety Congress to be held in Milan, Italy, for five days, beginning May 27, 1912. The American Museum of Safety, 29 West Thirty-ninth street, is making preparations so that the United States will be well represented. An American National Committee has been selected by the American Museum to co-operate with the International body and to promote the American ideas and views at the congress.

\*\*Philadelphia officers of the Jamestown Portland Cement Corporation announce that assent has been secured from a majority of the stockholders to a re-organization of the company under Massachusetts laws, the new company to be known as the Yorktown Cement Corporation. The new company will have a capital stock of \$2,100,000; will complete the plant at Yorktown, Va., which will have a capacity of 800,000 barrels of cement per annum.

\*\*The second annual New York Architecture and Engineering Exhibition, which was to be held from March 25 to 30, has been

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merged with, and will be held in conjunction with the Fire Exposition, October 2 to 12, constituting a department of fireproof construction and safety building equipment.

\*\*Fifteen cement companies in the Missouri, Kansas, Oklahoma and Texas field are involved in a possible merger. The name of the merger company would probably be the Central Portland Cement Company of West Virginia with an authorized capital of about \$45,000,000. The men active in the negotiations are: L. S. Mitchell, St. Louis, treasurer of the Iola Portland Cement Company; Adam L. Beck, of the Oklahoma Portland Cement Company; Frank E. Tyler, of the Dewey Portland Cement Company; George E. Nicholson, president of the Iola Portland Cement Company, and A. Steinmetz, of the Western States Portland Cement Company.

\*\*The Bradford Fireproofing Company's

plant at Bradford, Pa., is now running to its entire capacity and promises to be one of the most important industries of that city. The plant is at present turning out splendid specimens of hollow brick, hollow blocks and tile for fireproofing, linings for brick walls and partitions. Recently the company has been shipping material to Montreal and eastern points, including Boston, Mass.; New Haven, Conn., and one shipment of blocks to Havana, Cuba, was recently made. The Bradford Company's plants were operated during the entire winter.

\*\*The arrangement of the program and exhibits for the eighth annual convention of the National Association of Sheet Metal Contractors, to be held in St. Louis, June 10-14, have been completed by the two St. Louis local Associations. Headquarters will be at the Planters Hotel. The convention and exposition will be held at the Suburban Park Hall, where the public, as well as the delegates and visitors, will be shown the latest devices in sheet metal. There will be a lecture illustrated by motion pictures on the manufacture of sheet metal and tin plate; also a discussion of the improvements in quality of sheet metal by exhibitors. Warm air furnace problems will be discussed by hygienic engineers and manufacturers. There will be a lecture on the method of cost accounting by one of the national officers. Lecture on "Employers Liability, Workman's Compensation and Prevention of Work Accidents," by Ferd C. Schwedtmann, chairman Industrial Indemnity Insurance Commission, National Association of Manufacturers, U. S. A.

\*\*The New York offices of Underwriters' Laboratories will be consolidated at 134 Williams street, in charge of Dana Pierce. Mr. Pierce has been in charge of the electrical department of the laboratory at the principal office in Chicago the last six years.

\*\*The executive offices and New York show rooms of the H. W. Johns-Manville Company, manufacturers of asbestos, magnesia and electrical supplies, were moved on April 20 to the new twelve-story "H. W. Johns-Manville Building," Madison avenue and Forty-first street, New York, from their old quarters at 100 William street, where they have been located for the past fifteen years. This move marks the fifty-fourth anniversary of the company. Under the name of H. W. Johns Manufacturing Company, the business was conducted at 87 Maiden Lane, previous to May 1, 1897, when it was moved to 100 William street. In 1901 the firm name was changed to H. W. Johns-Manville Company, a consolidation being effected between the Manville Covering Company, of Milwaukee, Wis., and H. W. Johns Manufacturing Company. This last combination brought together two of the largest manufacturers of pipe and boiler coverings, packings, roofings, etc., in the world.

\*\*At a meeting of the stockholders of the Frederick Brick Works, of Frederick, Md., the following directors were elected: John Baumgardner, Charles C. Carty, G. T. Baumgardner, Frank C. Norwood and Henry Trail,



\*\*The Salisbury Brick Company, of Salisbury, Md., which recently bought W. B. Elliott's brick plant, and twenty-four acres of land, is preparing to have a big yard at Delmar. Everything in the plant will be entirely new. There will be one house 100 by 100 feet of structural iron. Brick sheds will cover a space 100x160 feet. The machine house will be 30x42 feet. There will be five kilns, each with a capacity of 100,000 bricks at each burning. The daily output, it is said, will be 40,000 bricks.

\*\*The annual meeting of the stockholders of the Calhoun Clay Products Company, in the company's offices in the Fullerton Building, St. Louis, Mo., resulted in the re-election of the following directors: C. E. Neeley, president; Charles A. McEwing, vice-president; W. G. Thomas, treasurer; Charles P. Tiley, secretary; T. C. Whitmarsh, W. W. Milne and D. E. Cassell.

\*\*Samuel Horner, Jr., of Philadelphia, president of the Kosmos Portland Cement Company, located at Kosmosdale, Ky., will dispose of stockholdings amounting to \$350,000, it is said, and will retire as executive head of the company in May. It is understood that capitalists of Louisville, Ky., have agreed to take over the stock and make one of their number president of the company.

Mr. Horner at the present time owns all of the common stock of the company, valued at \$1,000,000. The stock to be sold, it is said, will be converted into preferred shares. C. M. Dugan, an expert cement manufacturer,

is running the plant at Kosmosdale, and under the reorganization, it is said, will continue in charge of it. The company now has a capacity of 400,000 barrels annually, and it is planned to increase this.

\*\*The American Cement Company, now in the hands of receivers, who have closed the Egypt mill for an indefinite period, have transferred their long term contracts to the Atlas Company, both of Catawina, Pa. Principal among these contracts is one to furnish cement to the New York City Utility Commission, who are building the Catskill aqueduct and tunnel 124 miles in length, in order to give the metropolis an abundant water supply. Shipments on this contract will cover a period of several years, its requirements having kept the American Company's plant busy for the past few years.

\*\*Street Commissioner Frederick H. Clark, of Worcester, Mass., has closed a deal with the Pennsylvania Cement Company, with head offices in New York City, to furnish cement for his department for the year 1912 at a figure that will mean a price of \$1.10 a barrel for cement. Mr. Clark calls for bids, and received them from Worcester firms only. He rejected all local bids and went into the market for a better figure. The lowest figure he got from Worcester men was \$1.33 a barrel net. The gross price offered by the Pennsylvania concern was \$1.50 net, with 40 cents off for bags. The best price Worcester men offered was \$1.69¾ with 36 cents off for bags.

the putting up of the scaffold and furring is strictly carpenters' work, they can also finish the work as well or better than anyone else. The important thing is to select for a house, and not one common to the grocery store or the cafe.

#### Tile-like Metal Shingles:

The Tiffin Art Metal Company, Tiffin, Ohio, has produced a line of metal shingles which they claim make the most handsome and durable roof covering on the market. These are their "Tile-like" metal shingles. They are simple of construction, easily and rapidly applied and have a perfect storm-proof side lock. These shingles come in painted tin and galvanized iron. They will not rot, split, warp, break or absorb moisture.

The experimental stage of metal tiles is past. The metal shingle enthusiasts claim that the cost per year of service with metal shingles is less than that of any other form of fireproof roofing.

The Tiffin Art Metal Company, Tiffin, Ohio, will gladly send samples and quote prices to all interested parties.

#### All-Metal Fly Screens:

An all-metal fly screen made along correct lines is well recommended by architects, contractors and builders. The wire cloth is firmly held by rounded corners which prevents cutting by vibration and forms a perfect water shed. All bearings are made of copper, the reinforced corners as well as the improved turned edge guides. It will defy the evils of inclement weather, will not rot, warp, shrink or swell; can be made basket, oval, segment, round or any shape necessary to properly fly proof a house.

The Cincinnati Fly Screen Company, of Cincinnati, Ohio, are the manufacturers and are prepared to quote prices and take care of orders promptly. They have prepared a booklet giving much information on this subject which will be mailed on request.

#### Filmwood Panelling:

There is being manufactured by the Cot-lap Company, of Somerville, N. J., a substitute for wood paneling which is meeting with considerable success. "Filmwood" is the name of this product.

This filmwood is a very thin veneer of real wood, backed with a suitable paper through a special process; and it can be hung like any wall paper. After hanging, it is finished as if it were solid wood. It can be sand papered, filed, oiled, waxed or varnished and either rubbed or polished. It is easily applied to wood plaster, plaster board, paste-board, asbestos, sheet metal or any material having a smooth surface, and is especially effective in the making of paneled surfaces, whether wainscot or ceiling.

Filmwood is supplied in figured mahogany, quartered oak or black walnut. With this assortment of woods and the large variety of stains and wood finishes it is now possible to procure, a wide range of effects can be produced.

(Continued on page 362.)

## New Ideas, Materials and Devices

Innovations in Material and Equipment That Merit the Interest of Architect and Building Owner—A Running Resume of Novelties More or Less Recent.

#### A New Chimney Top:

The Waterloo Register Company, Waterloo, Iowa, is manufacturing a chimney top protector made from cast iron. It is claimed that this protector will practically last forever.

In finishing the chimney, the brick mason places the iron protector on the top of chimney and fills with broken brick and cement. As the inner walls of the protector are higher than the exterior walls, this allows the rain to flow to the outside of the top protector, which is supplied with a flange that prevents the water from following the chimney to the roof and causing the mortar to disintegrate.

The low cost, durability and attractive appearance of these cast iron chimney top protectors are sure to meet the approval of all contractors and builders.

#### Metal Ceiling:

Messrs. Northrop, Coburn & Dodge Company, of No. 29 Cherry street, New York, have a choice number of designs espe-

cially adapted for the ceilings of private houses. There are some twenty-five manufacturers of metal ceilings, an industry only thirty years old, of which the head of the above company is the pioneer. This shows its popularity and growth, but on looking over many of their catalogues you would perhaps think their patterns better adapted for halls of fame than for one's own parlor or ball-room.

Not so, however, with those of this company. They, indeed, have patterns for large rooms—for business and public buildings—but they have many also to be recommended for private houses. The Northrop designs join perfectly on the pattern, and are not cut up into squares or obliterated by "beads" or joint lines. Many of them form one continuous interlacing design from cornice to cornice. The use of wide and irregular borders on margins is thus avoided.

Metal ceilings are not only desirable for a new house, but are the best and quickest to put up in place of an old plaster ceiling. As



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PUBLISHED WEEKLY

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John Irving Dillon.....Editor

PHILADELPHIA, PA., MAY 29, 1912.

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# Editorial Comment

The damage to public taste done by ready-made plan books is neatly hit off in a very readable article on "How to Beat the Building Game" by Benjamin A. Howe in the "Saturday Evening Post." Discussing the difficulty of meeting the views of clients who want just a certain fixed type of house at just a certain fixed price, Mr. Howe writes:

"An architect, noted for his successful dwelling houses, tells me that his greatest difficulty is with the too specific ideas of his clients. 'Jones and his wife brought me a picture of a house they had found in some magazine,' he said. 'They had planned out their own interior pretty completely as to dimensions and equipment; they had their land; they knew to a dollar how much they could afford to spend; they did not realize that they had fixed every variable of their equation, including the one that should have been left to me—the exterior. If they were completely set on that exterior they should have given me carte blanche as to the interior, and probably the ground also, in order to find a proper setting for that particular house.'

If the architect is given no opportunity for adjustment—isn't allowed at least one variable—a deadlock will ensue. Not many clients, however, are as unreasonable as the man who came to this architect's firm with sketches and photographs and detailed descriptions of a house he had seen. 'I want this house for eleven thousand dollars,' he announced. The plans and specifications were made up with the items he demanded; but no bidders could be found for less than seventeen thousand dollars. The client persisted and the architect drew up other specifications, giving the same appearance and dimensions, but using everywhere inexpensive materials and equipment—and this house could have been built for the eleven thousand dollars; but the owner refused to accept the substitution. He was determined to have his expensive fittings for the smaller sum. He finally had to be sued for the architect's fees, which, of course, he was compelled to pay.

\* \* \*

The same thing is true, to a degree, of details which are acquired in the same way. A single detail—like a good doorway, porch or fireplace—to be precisely repeated, probably demands for its proper effect the precise type, dimensions and aspect of the house from which it is taken. My architect friend was whimsically indignant at certain magazines for this reason. He insisted that they were educating the client in architectural details alone; so that these particular details, excellent in themselves, were called for with an insistence that completely disturbed and destroyed the unique problem which each house

presented. 'Popularizing architectural knowledge,' he went on, 'is positively harmful, unless it takes the form of principles—not details. The owner must come to the architect with an idea of the character and general effect of his house, no doubt; but with full appreciation of it as a problem to be treated for his individual home-site and family—that is, with an open mind.'

\* \* \*

The real way to use books of plans is to take them as suggestions for special devices in interior arrangements, or as general types of architecture—or as warnings. No one who has not studied the various bungalow books, for instance, has any notion of what can be done with a one-story plan; nor, until one has gone through some of the prevalent sets of views of concrete houses, does one realize by some of the examples what one absolutely must not try to do in that seductive material. If one has access to a good public library, or an architectural library like the Avery Library at Columbia University, a study of the plates in the current art and architectural journals, home and foreign, will be suggestive. A popular novelist I know has just built the prettiest possible garden house for a study modeled on the Goethe Gartenhaus in the park at Weimar. My New Jersey friend was quite right in her instinct that the English house book would give her many new points of view as to materials, plan and architectural type; she needed only to have her ideas adapted to conditions of living and of economical building in her part of America to evolve an attractive result—but the adaptation must be made, and made in freedom by an expert."

\* \* \*

"An absolutely unburnable building," says a cement exchange, speaking of a reinforced concrete structure recently completed. May we remind our over enthusiastic contemporary that such a thing as "an absolutely unburnable building" has yet to be discovered. It seems but yesterday that persons, who should have known better, were referring to the Titanic as "an absolutely unsinkable ship." Was she?"

\* \* \*

The "Public Ledger" issued a special number, the other day, which was in point of editorial, news and typographical excellence fittingly representative of the distinguished position of this fine old daily among the few truly great American newspapers. Only one article in this special number referred to building—an article on "Concrete and Steel in Modern Building." Not a word about brick, architectural terra cotta, hollow tile or any of the other structural materials. When are the clay interests going to show signs of life?



Seldom has the real status of the concrete house been so clearly, concisely and justly stated as in an article by Allen Hazen in "Cement Age." Replying to a recent article by Mr. Benjamin Howe in which this clever architect makes the assertion that "the concrete house is hardly worthy of consideration unless one has \$25,000 or more to spend." Mr. Hazen writes:

"Mr. Howes is largely right when he states that the amount of skilled supervision required for the erection of a concrete house is too heavy a charge upon a small structure. This is perhaps the most serious obstacle to more general use of concrete in small houses at the present time.

"To build a good wooden house probably requires as much technical skill, and skill of as high an order, as is required for the construction of a concrete house, but the art of building concrete houses is less developed to-day than was the art of building wooden houses a hundred years ago.

"All the various workmen who have to do with the construction of a wooden house have learned, by long experience with such structures, what can be done and what cannot be done. Many of them have served, at one time or another, under skilled builders who have taught them proper methods, and this information has been passed from man to man, and its existence makes it possible to build a tolerably good wooden house with a minimum of skill and attention on the part of owners and supervisors.

"With concrete, on the other hand, the business is comparatively new. Many, or most of the workmen that would be employed have not had corresponding training in the work they have to do, and every stage, from the design to the finished work, must be intelligently followed by one sufficiently well grounded in the business to know what he wants, and to be incapable of being imposed upon by workmen who are reluctant not to do things in the way that they have learned to do them in other kinds of structures."

\* \* \*

One of the interesting signs of the times is the swiftly decerasing vogue of the once ubiquitous piazza or front porch. The house of to-day—the last word in suburban house designing,—carries the porch either at one end or in the rear, affording the architect a clear field for effective exterior design, while at the same time insuring the occupant a measure of privacy such as was not possible with the old style of front piazza. Living rooms in the house of to-day follow the porch and look out upon back gardens restful and quiet in place of the publicity and garishness of the highroads and travelled ways. Here and there one meets with the beautiful and reposeful idea of the Spanish patio or inner court—an idea well worth the study of men who plan suburban habitations. In South America, the patio with its cooling fountain, tropical bloom and air of seclusion is a fragment rescued from the ruins of Paradise, to which, in a way, some of the better examples

of the back porch and secluded garden of our Northern climate more or less cleverly approximate.

The trouble with some advertising is that it is like the conversation of certain people—it never says anything.—"Novelty News."

## NEW INVENTIONS.

Reported especially for this paper by H. B. Willson & Co., Patent Attorneys, 715 Eighth street, Northwest, Washington, D. C.

A Complete Copy of any of these patents will be forward to any person by Messrs. Willson & Co., on receipt of ten cents. Persons ordering Copies must give Number of Patent.

M. E. Bloom, New York, N. Y. Elevator, No. 1,026,650.

G. W. Rigney, Battle Creek, Mich. Door Stop and Holder, No. 1,026,702.

C. R. Frantz, Wilmington, Del., assignor to A. E. Frantz, Wilmington, Del. Method of Attaching Wall Paper, No. 1,026,793.

Carleton Ellis, Larchmont, N. Y., assignor to Ellis Foster Company. Footing Material, No. 1,026,855.

A. Hiney, Philadelphia, Pa. Window Screen, No. 1,026,864.

H. G. Voight, New Britain, Conn., assignor to the American Hardware Corp., New Britain, Conn. Emergency Door Lock, No. 1,026,888.

Nicholas Stock and J. N. Cordts, Kingston, N. Y. Foldable Chair, No. 1,027,012.

B. L. Davidson and E. B. Welch, Cleveland, Ohio. Bolts for Doors, No. 1,027,035.

M. F. McCarthy, New York, N. Y. Building Structure, No. 1,027,058.

J. G. Work, Sharon, Pa., assignor to B. S. Young. Wall Papering Device, No. 1,027,228.

C. C. Yetter, Bloomsburg, Pa. Combined Cupboard and Dumb Waiter, No. 1,027,229.

Christian Alter, New York, N. Y. Door Operating Device, No. 1,027,231.

C. O. McGavie, Denver, Colo. Building Construction, No. 1,027,266.

1,023,837. Lathing Securing Tack Strip. Almer Hemer Gilmore, Seattle, Wash.

1,023,851. Contractors' Torch. Alex. F. Jenkins, Baltimore, Md.

1,023,863. Measuring Tape. John W. Melville, Los Angeles, Calif.

1,023,878. Roofing Tile. Herman Roman, Evergreen Park, Ill.

1,023,934. Apparatus for Making Plaster Board. Herman S. Herchert, Ford City, Pa.

1,023,938. Window Construction. Thomas Henry Kane, Youngstown, Ohio.

1,023,946. Sectional Wall Construction. Samuel S. Levy, Boston, Mass.

1,023,950. Sliding Door Track and Cap. Michael H. McNamara, Chicago, Ill.

1,023,951. Trap Door. Otto W. Meissner, Westmont, Quebec, Canada.

1,024,001. Sheet Metal Window Frame. William D. Forsyth, Youngstown, Ohio.

1,024,015. Sandpaper Holder. Ole C. Miller, Chicago, Ill.

1,024,039. Chisel Holder. William Steen, Whrichsville, Ohio.

1,024,059. Sidewalk Trap. Thomas M. Britnall, Oakland, Calif.

1,024,068. Wall or Dam Construction. Charles F. Francisco, San Diego, Calif.

1,024,085. Safety Device for Elevators. Frank A. Krenz, St. Paul, Minn.

1,024,113. Hotbed Sash. Duright W. Bennett, Somerton, Pa.

1,024,139. Crank Mechanism. Edwin H. Miller, Los Angeles, Calif.

1,024,147. Assembling Table for Conical Statue Porch Columns. William R. Ripley, Tacoma, Wash.

1,024,151. Portable Power Driven Hand Tool. Edw. F. Smith, Cincinnati, Ohio.

1,024,160. Electrolier. Thomas P. Strittmater, Philadelphia, Pa.

1,024,273. Window Fastener. Frederick G. Michel, Albany, N. Y.

1,024,276. Building Black. Alfred S. Nash, Willimansett, Mass.

1,024,322. Roofing Tile. John B. Firoben, Columbus, Ohio.

1,024,369. Chandelier. Albert Sechrist, Denver, Colo.

## ECONOMICAL THICKNESS OF SHEATHING FOR BUILDING CONSTRUCTION.

Studies from unit costs, says "Building Age," show that 1-in. lumber, that is,  $\frac{7}{8}$ -in. after dressing, averages for column forms about 16 per cent. cheaper to make and about  $7\frac{1}{2}$  per cent. cheaper to erect the first time than  $1\frac{1}{2}$ -in. stock. The 1-in. ( $\frac{7}{8}$ -in.) is about 15 per cent. cheaper to erect the first time than 2-in. This lighter stock is easier to patch also than the heavier. On the other hand, 1-in. stock is not so durable and is more apt to break when removing the forms, so that thicker material is advisable in certain cases where it has to be used a large number of times.

As to cost of material, the thicker sheathing permits spacing of studs or joists further apart, but since the quantity of lumber in the studs or joists is apt to be governed by the strength required to resist the weight or pressure, the saving in material here is not enough to balance the excess cost of the thicker sheathing.

In general, therefore, 1-in. stock ( $\frac{7}{8}$ -in. dressed) is recommended for slab forms and for sides of beam and girders. For the bottoms of beams and girders, 2-in. stock ( $1\frac{7}{8}$  or  $1\frac{3}{4}$  in. after dressing) should be used for ordinary work and  $1\frac{1}{2}$ -in. for narrow members. For columns  $1\frac{1}{2}$ -in. stock is recommended because of its greater durability.



## Everybody wants to use Electricity

Everybody WOULD if they knew how little it costs, how much it saves, and how important it is for the health and happiness of each individual.

If Architects and Builders would keep this fact in mind, they would never erect a property of any description which was not wired and equipped for the use of Electric Light and Electric labor-saving devices.



## RUUD Automatic Gas Water Heaters

The Novelty of Yesterday  
The Necessity of To-Day

## HILL-CANTON Clothes Drying Cabinets

The Only Dryer that Ventilates  
and is Guaranteed Not to Turn  
Clothes Yellow.

LOW IN PRICE  
ECONOMICAL IN OPERATION

## BARTLETT & CO., Inc.

1938 Market St., Philadelphia  
MAKERS OF FURNACES AND  
RANGES SINCE 1843

Make your advertising attractive. Change it now and then. Run a cut in occasionally to lighten up the monotony of raw type. Have something worth saying to fire at your readers. It may cost a trifle more to do it this way, but it pays in the end. And when advertising pays—it pays big.

### New Ideas, Materials and Devices.

(Continued from page 359.)

The Cott-a-lap Company have issued an interesting folder descriptive of their Film-wood, which they will mail to any one upon request. For this, address either the home office at Somerville, N. J., or their Chicago branch, 108 West Lake street.

#### "Just-right" Metal Roofing:

A particular feature of the "Just-right" galvanized roofing which is manufactured by the large sheet metal building material firm—the Moeschel-Edwards Corrugating Company, of Covington, Ky.,—is that no wood strips are required in applying it.

The Moeschel-Edwards' "Just-right" galvanized roofing is made in lengths of from 5 to 12 feet, 24 inches in width. This roofing is very easily applied. Anyone who can drive a nail can put it on. No special tools required. It is adapted to roofs of both high and low pitch. As "Just-right" Galvanized Roofing is more rigid than common V Crimp, sheeting-boards may be placed farther apart, thus decreasing the cost of the frame structure and reducing fire risk. With this roofing the company recommends the use of their "Never Rust" galvanized nails.

The Moeschel-Edwards Corrugating Company, Covington, Ky., will forward descriptive matter concerning their "Just-right" roofing and many other sheet metal products.

## Architectural Notes.

A lady of my acquaintance who enjoyed leisure, good taste and a competence confided in me one day in regard to the house she meant to build somewhere in New Jersey, writes Benjamin A. Howe in the pages of "The Saturday Evening Post."

"I haven't decided on my architect yet," she said; "but I've been looking at some of those pictures of English country houses and I'm perfectly charmed with them. The English certainly do know how to live! Now I want one of those lovely, low-lying houses, where the walls rise right out of the lawn and the long, straggling roofs slope 'way down, with pretty little casements peeping out here and there. And I want one of those open halls with galleries and a fireplace with armorial bearings in stone over it, where I can serve tea every afternoon. I've found several delightful English houses that were really built of stone or brick for much less than I had reckoned on; so there won't be any difficulty about that—especially as I want it all perfectly simple in detail."

\* \* \*

Though I sympathize thoroughly with the architectural tastes of my friend, there was only one thing to do. "Do you know," I asked, "that the charming way the houses rise right out of the ground is due to the fact that practically all English country houses are built without cellars? How would that go in New Jersey in winter? All right for Louisiana, I grant you. The lack of a basement excavation is possible because of the English habit of heating—or rather not heating—their houses with little coal fires in grates. Do you think you could get along without a furnace? If you had a furnace the great open hall with overhanging galleries would require to heat it in the winter months, when you would be serving tea inside, tons and tons of that furnace coal you already find to be such a drain on your purse—and think how it would be without the furnace, in true English style! The great expanse of sloping roof is indeed fascinating in England,

where much of the tile is old and hand-made, and even new roofing tile soon gets a soft bloom of lichen or fungus or weathering—or whatever it is. That, however, is only because the English tile is unglazed and porous. Our tile has to be hard-burned and non-absorbent to withstand our terrible frosts. And think of such a roof in New Jersey! Frankly, I think you, with your good taste, would find only one thing more hideous than a staring great surface of hard new tile sweeping down before you—and that would be the same surface in wood or slate or some of the egregious American imitations of thatch. It is texture and color only that can lend beauty to roofs of such dimensions. And another thing against them: Don't you know that good roofing tile is extremely expensive over here?"

\* \* \*

"Your materialism is heart-breaking," responded the lady from New Jersey; "but at least you can't say anything against the long, low lines of the house I had planned to build."

"Have you carefully studied the ground plans of those English houses?" I hazarded. "If you do you will discover that the interesting, unusual roof contours, with the casements peeping out at irregular places, are due to the very irregular, straggling plans. And these straggling plans are bound up with the extraordinary ramified system of house service that prevails there. You will find kitchen; then scullery beyond; then larder; then, often, 'coals,' 'knives,' 'boots,' 'cycles'—all in a row. Can you see your Johnson bringing in coal half a mile to the drawing-room fire? Or retiring that distance to clean the family boots? The English may know how to live, but their servants certainly have plenty of leg exercise. Where there is compactness of service space there is no such pleasant excuse for elusively extensions, dropping roof by roof from three stories to one, with all the difficult and costly though picturesque complications of roof structure. Or suppose you did re-



quire a lot of small extra rooms—bachelors' quarters, boys' dens, and so on—don you imagine that such a straggling plan wouldn't be terribly expensive to install with heating and plumbing and electric lights? Of course, if you were to be unlimited in your outlay, you needn't be reminded of these things."

\* \* \*

"These houses I have looked up weren't expensive," murmured my friend. "And surely they weren't without modern conveniences!"

"Well, at least the dwellers probably get along with lamps and candles—not electricity. Can you imagine an English novel where the heroine doesn't linger with her candle on the landing? They will have no heating plant—or only a tiny one for the heart of the house. And as for the plumbing! Here is an advertisement just taken at random—lots of others like it—from an English paper:

"A picturesque and admirably arranged residence, occupying a retired and well-chosen situation, with south aspect and beautiful views, and containing square hall, four reception rooms, fourteen bedrooms, bathroom, and so on, with good garden, small park and two hundred acres of land.

"A quite superior establishment, you see; but I imagine the lone bathroom implies that our tremendous outlay for heating and lighting plants, and sanitary equipment generally, did not enter into its very moderate cost. I remember once reading a clever account of life in an Italian apartment, wherein, the writer said, she was absolutely without modern conveniences, yet had never been so comfortable in her life, because she had a slave—a humble, untiring slave, Assunta by name—who brought in her hot bath, and cleaned her shoes, and pressed her clothes, and washed and ironed and cooked and scoured, did the marketing, ate almost nothing at all, and was always cheerful! You see, however, we haven't any acolytes of that kind in this country—or, at least, not north of Dixie."

\* \* \*

The development of the city planning idea has reached so interesting a stage in many sections of the country that much is expected in the way of concrete results from the fourth national conference on city planning in Boston, May 27-29. Mayors of at least fifteen cities, accompanied by their city engineers, prominent architects and social workers and students of municipal life in general were in attendance.

Frederick L. Olmsted, of Brookline, landscape architect; Arnold W. Brunner, of New York, and George F. Swain, of Harvard University, will read papers on "City Planning."

J. R. Coolidge, Jr., of Brookline, will speak on "The Problem of the Blighted District," and Arthur A. Shurtleff, of Boston, will speak on "The Public Street Systems of the Cities and Towns About Boston in Relation to Private Street Schemes."

Nelson P. Lewis, chief engineer of the board of estimate and apportionment, New York City, and James A. Gallivan, street commissioner of Boston, will speak on "How

the City Planning Bills are to be Paid."

B. A. Haldeman, assistant engineer in charge of city planning, board of surveys, Philadelphia, will discuss "The Zoning Principle of Germany Applied to the United States."

At the annual dinner, President John H. Finley, of the College of New York; Rev. Newell Dwight Hillis, D. D., of Brooklyn; Hon. Frederick C. Howe, and Mayor Fitzgerald will be the speakers.

\* \* \*

After preaching the gospel of harmony in architecture, decoration and interior furnishing in Europe for a dozen years, M. Hector Guimard, of Paris, architect, designer and vice-president of the Societe des Artistes Decorateurs, is paying his first visit to America for the dual purpose of studying American architecture and to discuss with architects of this country his ideas of designing. M. Guimard also hopes to interest American architects and decorators in the International Exposition of Architecture and Modern Decoration, to be held in Paris in 1915.

Referring to the tall buildings erected or in course of erection on Manhattan Island, M. Guimard is reported to have said: "I find New York a wonderful city, with architectural effects both to be praised and to be criticised.

"I came to see if it is possible for the lofty buildings you have here to be pleasing to the eye as well as useful in housing their many business tenants. I find that it is possible, but to my mind many of your examples high buildings are disappointing, in that one harmonious idea in construction has not been followed by the architect.

"The Woolworth Building will be pleasing and harmonious, but some of the other high office buildings, notably the Singer Building, emphasizes too much the idea of decoration as they ascend. The lines of a lofty building, it seems to me, should be less pronounced and decorative the higher they go, and should finally blend or be lost in the sky. Tower-like effects, after a succession of plain stories, seem incongruous, and it evidently was intended that such structures should be seen by persons approaching New York by water.

"American architects should exchange ideas, so that there may be some continuity and harmony in the buildings which successively rise. Your architects show more strength and understand their business more thoroughly, I think, than those of Germany or England, but my impression of New York is rather as a collection of buildings than as a city like Berlin or London, in which more harmonious groupings prevail."

### THREE MILLION YARDS OF CONCRETE AT PANAMA.

Over 3,000,000 cubic yards of concrete have been laid in the construction of the three sets of locks for the canal. This is approximately three-quarters of the concrete required for this work, which estimated at 4,199,490 cubic yards.

### TRADE PAPER ADVERTISING.

"I only recently began to read trade paper advertising," said a dealer not long ago. "I kept the ads more as a directory of the trade. But nowadays there's getting to be such live business-like stuff in some trade-paper advertising that I feel I'm missing something if I don't look them over."

This dealer went on to say how he once got an idea from a live trade-paper ad that induced him to alter his basic plan of doing business. "Some advertisers are hiring people to write their trade-paper adds who have such good ideas that I would feel delighted to get them out to lunch and ask their advice about various matters. And my trade-paper is more valuable to me, because many of its ads are so full of real ideas."—"Printer's Ink."

Keep cool! There are over ninety million people in this country who need just about as much as they ever did, and who must keep on buying, no matter who is president or what political party controls the policies of the government at Washington. Speculative interests may suffer while our national policies are in the balance; but the regular, solid, substantial commercial business of the country at large cannot be seriously affected.—"Cement World."

### A BIG ADVANTAGE.

A young man with practical knowledge in his head, skill in his hands and health in his body, is his own letter of recommendation, diploma, and reference. Mix him up with sixty million of others, and you can find him again, as he will have a habit of being at the top. Throw him on a desert island, without a country and without a name, and he will soon be at the head of something. He does not go whining up and down the land blaming fortune and saying he has no chance, but goes out and does something, and then does it again and better. Men that can do things either with head or hands are the men that are wanted, and the demand is as great now as it has been any time since the first sunrise.—"Material Record."

### PASTE THIS IN YOUR SCRAPBOOK.

Don't allow cement to freeze before it is thoroughly hardened.

Don't retemper and use concrete which has become set on the mixing board.

Don't use a dirty or loamy sand.

Don't use soft stone or broken brick in concrete where great strength is required.

Don't expose freshly made concrete to the hot sun.

Don't allow concrete to dry out too rapidly.

Don't apply fresh concrete or cement mortar to an old or hardened surface without first thoroughly soaking with water, and hacking a rough surface on the old material. Clean thoroughly and apply a very thin cement wash.

Don't use a dirty or impure water in mixing concrete.—"Mason Builder."



## Proposals

## Bonds. Improvements. Equipment.

As the Home Office and Headquarters of the Most Important Financial, Railroad, Engineering, Structural, Manufacturing and Equipment Firms in the United States, Pennsylvania offers a Particularly Rich and Productive Field for "Proposal" advertising. "The Builders' Guide" is the Only Medium in this Field.

TREASURY DEPARTMENT, OFFICE OF the Supervising Architect, Washington, D. C., May 15, 1912.—Sealed proposals will be received in this office until 3 o'clock P. M. on the 1st day of July, 1912, and then opened, for the construction (including plumbing, gas piping, heating apparatus, electric conduits and wiring, and interior lighting fixtures) of the United State Post Office at Newark, Ohio. The building is two stories and basement, and has a ground area of approximately 6,900 square feet; fireproof construction throughout; granite and marble facing; and tin roof. Drawings and specifications may be obtained from the custodian of site at Newark, Ohio, or at this office, at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect.

TREASURY DEPARTMENT, OFFICE OF the Supervising Architect, Washington, D. C., May 16, 1912.—Sealed proposals will be received in this office until 3 o'clock P. M. on the 27th day of June, 1912, and then opened, for the extension, remodeling, etc. (including plumbing, gas piping, heating apparatus, electric conduits and wiring, and interior lighting fixtures), of the United States Post Office at Chester, Pa. The work contemplated is the construction of a two story basement and unfinished attic extension of approximately 2,300 square feet ground area. The first floor only is fireproof construction, exterior facing of stone and brick with slate roof, and there will be certain repairs and alterations in the present building. Drawings and specifications may be obtained from the custodian at Chester, Pa., or at this office, at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect.

TREASURY DEPARTMENT, OFFICE OF the Supervising Architect, Washington, D. C., May 24, 1912.—Sealed proposals will be received in this office until 3 o'clock P. M. on the 8th day of July, 1912, and then opened, for the construction (including plumbing, gas piping, heating apparatus, electric conduits and wiring, and interior lighting fixtures) of the extension, remodeling, etc., of the United States post office at Portsmouth, Ohio. The extension is to be of one or two stories and basement, and approximately 2,100 square feet ground area, brick faced with slate roof, and of non-fireproof construction, except on first floor. Drawings and specifications may be obtained from the custodian of the site at Portsmouth, Ohio, or at this office at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect.

Every dealer in lumber ought to prepare now to receive some benefit from the advertising campaign which the lumber manufacturers are about to inaugurate. One hundred and twenty-five thousand dollars will be spent in twelve months to convince the builders to return to the use of lumber. It is likely that the first advertisements will appear in the May magazines.—"Material Record."

## THE ELECTROLYTIC CORROSIVE THEORY.

During the last year or so, a good deal of nonsense has been written on the problematical risk to ferro-concrete structures owing to electrolytic corrosion of the reinforcement. The avidity with which some engineers seize upon new-fangled theories to the detriment of ferro concrete is only equalled by their conservative prejudice against well-established facts in favor of the same material. We have even known cases where electrolytic corrosion has been gravely pronounced to have occurred in the admitted absence of stray electric currents. The scientific observers who have demonstrated the reducing power of electricity under specially favorable conditions are reasonable beings who have no axe to grind, and do not condemn ferro-concrete as liable to deterioration, because they know that the special conditions favorable to electrolytic corrosion are absent in practical work. As an illustration, let us assume that the framework of a steel building could be slightly corroded by means of electric currents directly applied to the structure. In such a case there would be actual metallic connection throughout the entire system of steel work, and, in consequence, the whole of it would act as a conductor. But in the case of a ferro-concrete building or kindred structure the steel employed as reinforcement is not in metallic connection, being insulated everywhere by concrete, and therefore quite efficiently protected by non-conducting material. The simple-minded people who fear the electrolytic-corrosion bogey evidently do not know that in the only tests bearing upon the subject, the metal under examination is always directly connected with the positive and negative leads of the circuit, a condition never obtaining in actual practice. Moreover, while fears are openly expressed as to the risk of electrolysis in ferro-concrete structures, we hear nothing about the far greater risks to which riveted steel structures, especially the frame work of a steel-framed building, would be exposed if there were any actual reason for regarding electrolytic corrosion seriously in engineering and architectural practice.—"Ferro-Concrete."

## CEMENT AND ARCHITECTURE.

No material is employed with truly architectural insight, until, in its use, it finds its own proper and legitimate expression. The reason why the future for cement and concrete is so promising, is that it is for us—or, if we fail, for some later generation—to develop an intelligent appreciation of the real nature and resources and limitations of these noble materials.—"Cement World."

Are you aware that "The Guide" prints every week more real, live, readable, up-to-the-minute stuff about architecture and building than any two of its more pretentious contemporaries? Fact, just the same. Compare 'em and see.

## Alterations and Additions

(Continued from page 356.)

M. H. Riegel (O), 5513 North Second street. Cost, \$4,000. Two dwellings, brick, two stories, 15x47 feet, 109 to 11 Gale street.

Wendell & Smith (O), 124 West Hortter street. Kohland Megargee (C), 124 East Gorgas lane. Cost, \$3,600. Dwelling, brick, two stories, 16x42 feet, Germantown avenue and Hortter street.

Wendell & Smith (O), Overbrook, Pa. M. W. Young (C), Overbrook, Pa. Cost, \$11,500. One dwelling, stone, three stories, 32x45 feet. Overbrook, Pa.

M. L. Lang (O), 124 West Hortter street. Kohland Megargee (C), 124 East Gorgas lane. Cost, \$3,600. Dwelling, brick, two stories, 16x42 feet, Germantown avenue and Hortter street.

J. K. Marshall (O), 8 South Fifty-second street. Cost, \$3,600. One dwelling, brick two stories, 15x65 feet, Fifty-sixth and Springfield avenue.

L. S. Fiske (O), 2042 Locust street. J. M. Daniels (C), 252 Juniper street. Cost, \$600. Dwelling, 2042 Locust street.

Dr. B. Stack (O), 35 South Fourth street. T. M. Seeds, Jr. (C), 1207 Race street. Cost, \$1,200. Business house, 35 South Fourth st.

Mrs. W. R. Massey (O), Milnor and Grant avenue. N. K. Freas (C), Addison Bank Company, Pa. Cost, \$800. Dwelling, Milnor and Grant avenues.

Louis Buck (O), 1237 North Broad street. W. Boar (C), 3411 Frankford avenue. Cost, \$900. Dwelling, 1237 North Broad street.

Dr. Charles Keyes (O), 5802 Greene street. William H. Eadleman (C), 548 Green lane. Cost, \$2,100. Dwelling, brick, 5802 Greene street.

J. E. Wallace (O), 2133 Walnut street. J. P. Thompson (C), 1432 South Penn Square. Cost, \$6,400. Dwelling, 2044 Locust street.

P. S. Rohn (O), Twenty-second and Mifflin streets. J. S. Kline (C), 1739 South Nineteenth street. Cost, \$550. Store and dwelling, Twenty-second and Mifflin streets.

B. Abe (O), 821 Arch street. Michael Stevens (C), 920 Magee street. Cost, \$1,900. Dwelling, 3205 Oxford street.

## REAL ESTATE TRANSFERS.

Summary for week ending May 25, 1912:

Number of transfers .....	580
Amount of transfers .....	\$1,755,953.00
Cash consideration .....	407,355.00
Mortgage consideration .....	1,348,598.00
Ground rent consideration .....	13,374.50
Which on a 6 per cent basis amounts to .....	222,908.34

## PATENTS

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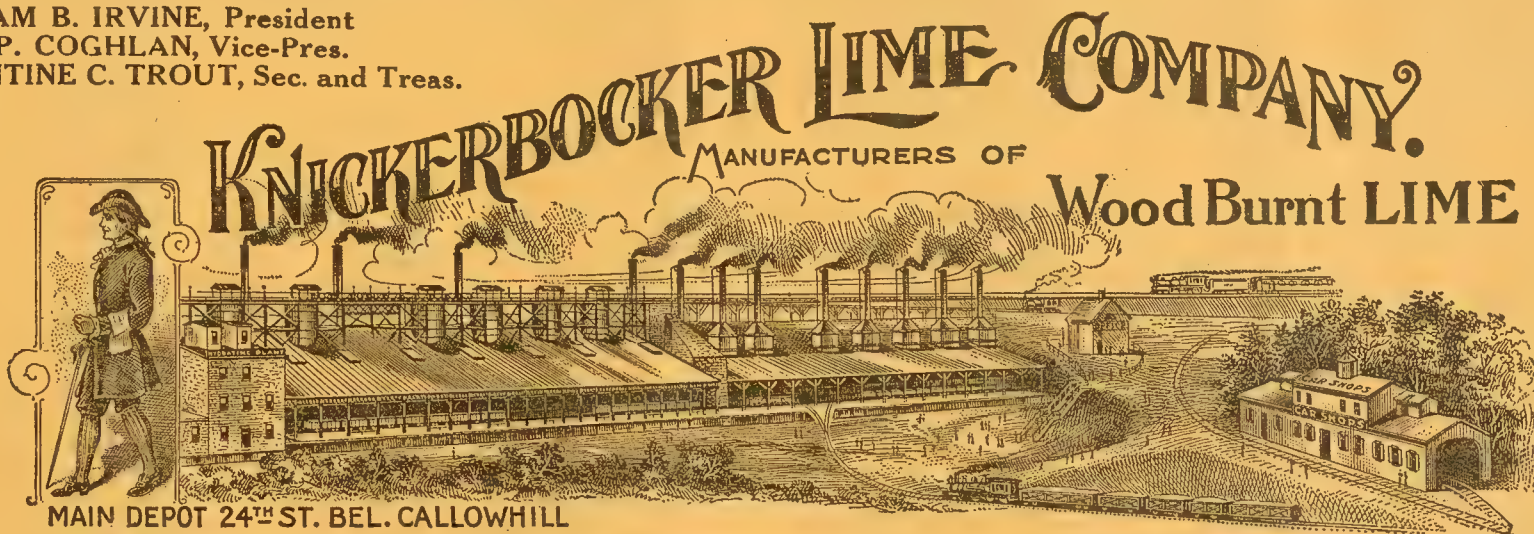
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Vol. XXVII., No. 23.

PHILADELPHIA, WEDNESDAY, JUNE 5, 1912.

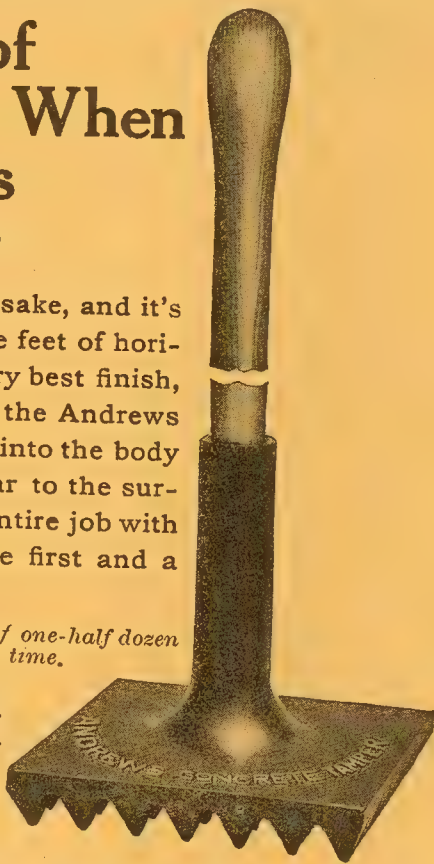
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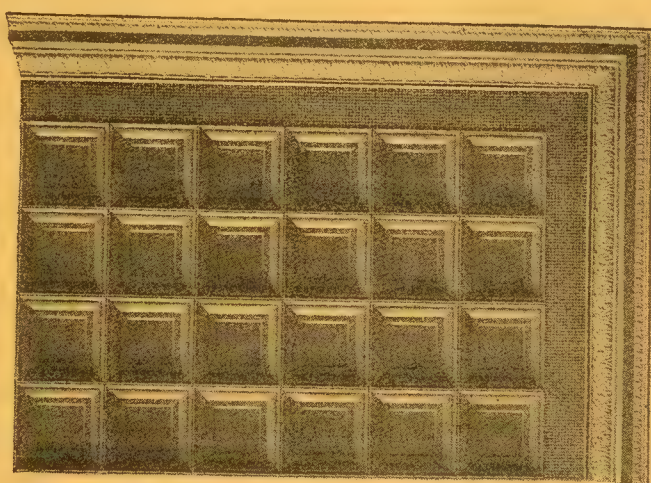
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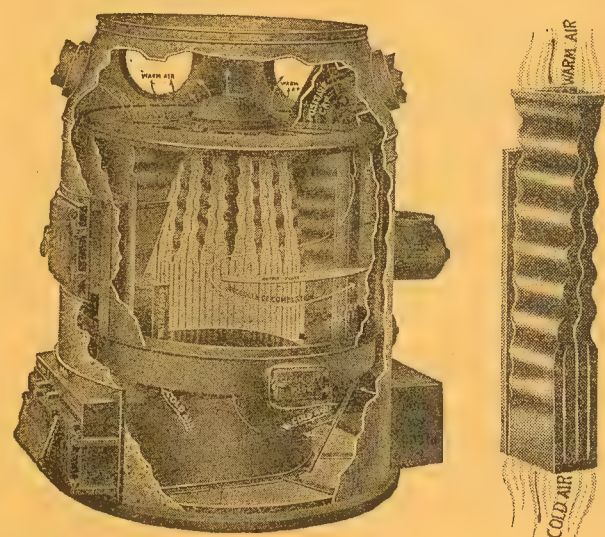
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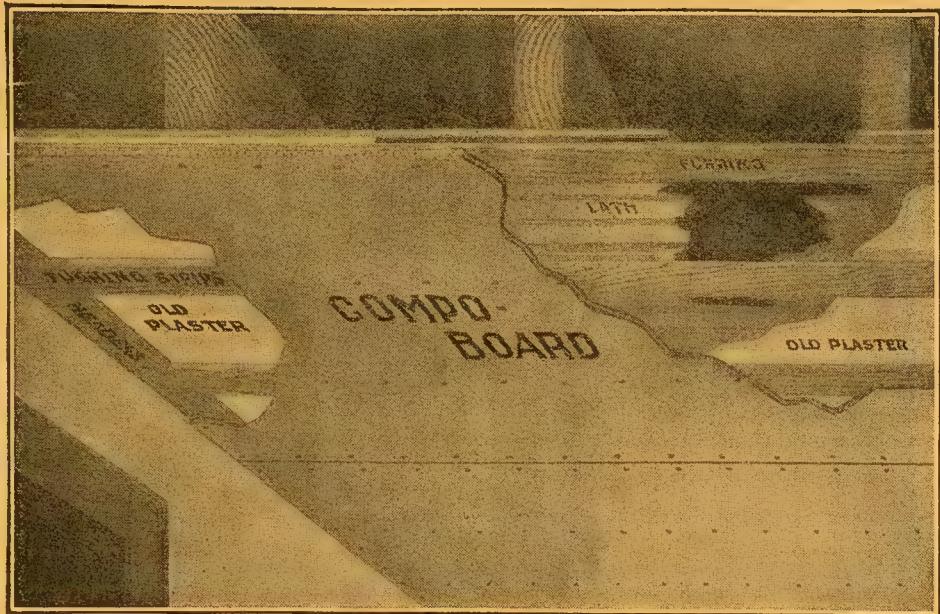
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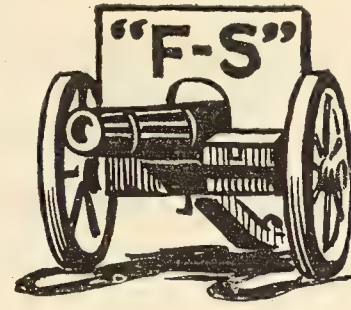
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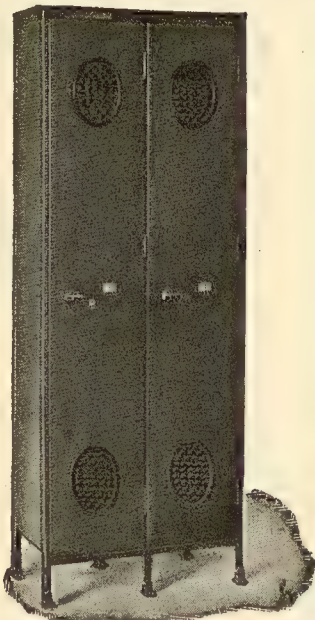
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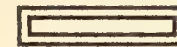
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THE PHILADELPHIA REAL ESTATE RECORD AND

# Builders' Guide

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXVII., No. 23.

PHILADELPHIA, WEDNESDAY, JUNE 5, 1912.

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## Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Tower**, Church and Franklin streets, \$11,000. Architects, E. F. Durang & Sons, Inc., Twelfth and Chestnut streets. Owners, St. Joachim's Church, on premises. Brownstone. Architects taking bids, due June 11th. The following are figuring: William J. McShane, 417 South Thirteenth street; J. McShain, 631 North Seventeenth street; M. L. Conneen & Son, 315 South Twentieth street; Melody & Keating, Bailey Building; Jacob Myers & Son, Witherspoon Building; J. R. Wiggins, Heed Building; William R. Dougherty, 1610 Sansom street.

**Factory and Office Building**, Third and Vine streets, \$100,000. Architect, D. K. Boyd, Fifteenth and Walnut streets. Owners, England Walton Company, Inc., 260 North Third street. Brick, concrete, marble or limestone, granite base, slag roof, steam heat, electric light, two elevators, six stories, 63x80 feet, blowers, etc. Architect taking bids, due June 10th. The following are figuring: M. Monahan, 214 South Twelfth street; William Steele & Sons, 1600 Arch street; Roydhouse-Arey Co., Fidelity Building; William R. Dougherty, 1610 Sansom street; Metzger & Wells, Heed Building; A. R. Raff, 1635 Thompson street; Thos. Little Sons, 1615 Sansom street; F. A. Havens, 845 North Nineteenth street.

**Triple Residence**, Willow Grove avenue, St. Martin's, Pa. Architects, Duhring, Okie & Zeighler, Bailey Building. Owner, Dr. George Woodward, North American Building. Stone, 2½ stories, 32x70 feet each, slate roof, electric light, hot-water heat, hardwood floors. Architect taking bids, due June 10th. The following are figuring: William J. Gruhler Co., High and Baynton streets; J. E. Walt, 204 Willow Grove avenue; F. B. Davis, 35 South Seventeenth street; W. J. Stevens, Wyncote, Pa.; F. Elvidge & Son, 5522 Germantown avenue.

**Buildings** (10), South Orange, N. J., \$500,000. Architects, J. O'Rourke & Sons, Newark, N. J. Owners, Home for the Aged and Infirm of Newark, N. J. Brick and concrete, fireproof, two and three stories, slate and slag roof, steam heat, electric light. Architects taking bids, due June 20th. Metzger & Wells, Heed Building, are figuring.

**Parish House** (add.), Broad and Jefferson streets. Architects, Watson & Huckel, 1211 Walnut street. Owners, Protestant Episcopal Church of the Incarnation, on premises. Brick, stone, three stories, slate roof, electric light, steam heat. Architects tak-

ing revised bids, due May 6th. The following are figuring: Thomas Little & Sons, 1615 Sansom street; A. H. Williams, 419 Locust street.

**Church**, Savannah, Georgia. Architect, A. F. N. Everett, Atlanta, Ga. Owner, Epworth M. E. Church, Savannah, Ga. Granite, limestone, two stories, 110x24 feet, slate roof, steam heat, electric light. Architect taking bids, due June 11th. Charles McCaul, Co., Tenth and Sansom streets, is figuring.

**Building** (alt. and add), 1359 Germantown avenue. Architects, Barnet J. Medoff & Son, 524 Walnut street. Owner, Edward Baxt, on premises. Brick, three stories, slag roof, electric light, steam heat. Owner taking bids in a few days. The following are figuring: Samuel Schultz, 920 Moyamensing avenue; Jacob Gorchov, 317 Reed street; M. J. Lazaroff, 1418 South Sixth street; Fred Quate, 1323 Snyder avenue; Louis Cohen, 417 Christian street.

**Store and Dwelling**, 706 South Third street. Architects, Barnet J. Medoff & Sons, 524 Walnut street. Owner, Harry Goodelman, on premises. Brick, three stories, 20x75 feet, tin roof, electric light, hot-water heat. Owner taking bids. The following are figuring: S. Schultz, 920 Moyamensing avenue; Jacob Gorchov, 317 Reed street; M. J. Lazaroff, 1418 South Sixth street; Fred Quate, 1323 Snyder avenue; Louis Cohen, 417 Christian street.

**Store** (alt and add), 1310 Arch street. Architect, C. E. Oelschlager, Harrison Building. Owner, name withheld. Brick, granite, four stories, tin roof (electric light and steam heat, reserved). Architect has received bids.

**Residence**, Rosemont, Pa. Architects, Harris & Richards, Drexel Building. Owner, Charles Sim, Rosemont, Pa. Stone, three stories, 45x70 feet, electric light, hardwood floors, hot-water heat. Architects taking bids, due June 7th. The following are figuring: George & Borst, 277 South Eleventh street; Gray Bros., Rosemont, Pa.; G. L. Croll, Bryn Mawr, Pa.; Worrell & Waters, Rosemont, Pa.; Appleton & Burrell, 1204 Chancellor street.

**Library Building**, Charleston, S. C. Architects, McGoodwin & Hawley, 34 South Sixteenth street. Owners, Public Library of Charleston, S. C. Brick, one story and basement, 75x53 feet, steam heat, hardwood floors, slag roof, electric light, electric book

elevators. Architect taking bids, due June 16th. The following are figuring: George Clayton, Atlanta, Ga.; Miles & Brant, Atlanta, Ga.; Michael Crawford Co., Atlanta, Ga.; Simons Mayrant Co., Charleston, S. C.; C. Kanapaux & Co., Charleston, S. C.; Charleston Eng. & Const. Co., Charleston, S. C.; T. D. Hay, Charleston, S. C.

**Freight Bridge**, Ellwood City, Pa. Architect, M. A. Long, Baltimore, Md. Owners, Baltimore & Ohio Ry. Co. Owners have received bids.

**Residence** (alt. and add.), 1536 Wallace street. Architect, Carl P. Berger, 1418 So. Penn Square. Owner, Miss Clara Wilson, on premises. Brick, three stories, electric light, tin roof, hot-air heat. Architect taking bids, due June 5th. The following are figuring: A. L. Fretz & Son, 1222 Chancellor street; Burd P. Evans, Thirteenth and Wallace streets; H. P. Schneider, York road and Erie avenue; M. L. Conneen, 315 South Twentieth street; J. H. Jordan, Thirty-first and Oxford streets; C. Pace, 1716 Sansom street; A. Whitehead, 1624 Latimer street.

**Chapel Building**, Germantown, Philadelphia. Architect, Stanford B. Lewis, Builders' Exchange. Owners, Italian Presbyterian Mission, 329 Price street. Brick, plaster, limestone trimmings, 35x75 feet, tile roof, electric light, steam heat. Architect taking bids, due June 4th. The following are figuring: W. C. Wright, 22 Harvey street; T. C. Trafford, 1613 Sansom street; F. L. Hoover & Sons, Builders' Exchange; Stacey Reeves & Sons, 1611 Filbert street; Oliver & Hollingsworth, 6039 Delancey street; Metzger & Wells, Heed Building.

**Convent** (alt. and add.), Eighteenth and Wood streets. Architects, E. F. Durang & Son, Twelfth and Chestnut street. Owners, Cathedral Convent, Eighteenth and Wood streets. Brick, concrete, three stories. Architects taking bids, due June 5th. The following are figuring: William J. McShane, 417 South Thirteenth street; J. McShain, 631 North Seventeenth street; M. L. Conneen & Son, 315 South Twentieth street; Melody & Keating, Bailey Building; Jacob Myers & Son, Witherspoon Building; J. R. Wiggins, Heed Building; William R. Dougherty, 1316 Sansom street.

**Tower**, Franklin and Church streets, \$11,000. Architects, E. F. Durang & Son, Twelfth and Chestnut streets. Owners, St. Joachim's R. C. Church, on premises. Brown



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N. E. Cor. 22d and Wood Streets

stone. Plans completed. Architects ready for bids.

**Residence**, Wynnefield, Pa. Architect, W. Smedley, Witherspoon Building. Owner, H. P. Pearl. Stone, three stories, 54x30 feet, tile roof, hot-water heat, electric light. Architect has received bids.

**Apartment House**, Atlantic City, N. J. Architect, B. Ireland, Atlantic City, N. J. Owner, H. J. Bergman, Atlantic City, N. J. Brick, granite, limestone, seven stories, 35x118 feet, hardwood floors, electric elevators, steam heat, electric light. Architect has received bids.

**Hospital Building**, Troy, N. Y. Architects, George B. Post & Sons, 315 Fifth avenue, New York City. Owners, Samaritan Hospital, Troy, N. Y. Brick, terra cotta, limestone, fireproof, one and two stories, tile and copper roof, electric light, steam heat. Architects have received bids.

**Residence**, Merion, Pa., \$10,000. Architects, De Armond, Ashmead & Bickley, 618 Chestnut street. Owner, William B. Tracy, Lafayette Building. Terra cotta, tile and plaster, 2½ stories, 38x50 feet, electric light, shingle roof, hot-water heat, hardwood floors. Architect taking bids, due June 10th. The following are figuring: H. E. Baton, Tenth and Sansom streets; E. J. Kreitzburg, 1345 Arch street; Metzger & Wells, Heed Building; H. Specht, Willow Grove; George & Borst, 277 South Eleventh street.

**Office Building** (alt. and add.), 611-13 Chestnut street. Architects, Furness & Evans Co., Fourth and Chestnut streets. Owner, Dr. D. Jayne. Brick and granite, tin roof, electric light, elevators. Architects taking bids, due June 5th. The following are figuring: William R. Dougherty, 1610 Sansom street; A. P. Fraim, 319 Market street; J. Duncan, 920 Walnut street; S. J. Rea, 1608 Fairmount avenue; Owen Fogarty, 1918 Cherry street.

**Store** (alt. and add.), 214 South Front street. Architects, Thomas, Churchman & Molitor, 1309 Walnut street. Owner, name withheld. Brick, four stories, electric light, elevator. Architects taking bids, due June 7th. The following are figuring: Charles McCaul Co., Tenth and Sansom streets; Doak & Co., Crozer Building; Appleton & Burrell, 1204 Chancellor street.

**Bank** (alt.), N. W. cor. Seventh and Dauphin streets. Architect, Guy King, 1513 Walnut street. Owners, Northern National Bank, on premises. Marble and cabinet interior alterations. Architect taking bids, due June 5th. The following are figuring: Stacey Reeves & Son, 1609 Filbert street; H. Gill, Jr., 2200 Germantown avenue; F. D. Kramer, 1601 Spring Garden street; Anderson & Jansson, 1708 North Front street; Midland Metal Co., Twenty-first and Jefferson streets; F. V. Yeager, 13 South Thirty-sixth street.

**Coal Pocket**, Fiftieth street and Gray's avenue. Architect, private plans. Owners, Karper Bros., on premises. Concrete, steel roof. Owners taking bids, due June 5th. The following are figuring: B. Ketcham's Sons, 1029 Brown street; Armstrong & Latta, Land Title Building.

**Factory Building**, Rochester, N. Y. Architect, James Tyler, Rochester, N. Y. Engineer, W. E. S. Dyer, Land Title Building. Owner, Defender Dry Plate Company,

Rochester, N. Y. Brick, fireproof, one story, 100x450 feet, slag roof, electric light, steam heat. Engineer taking bids on mechanical plant in one week.

**Office Building** (alt. and add.), 406 Market street. Architect, private plans. Owner, Bell Telephone Company, Thirteenth and Arch streets. Interior alterations. Architect taking bids, due June 4th. The following are figuring: Charles McCaul, Tenth and Sansom streets; F. W. Van Loon, Denckla Building.

**Apartment House**, Sixty-first and Ludlow streets. Architect, H. E. DeHoff, 48 South Sixty-first street. Owner, William C. Smith, Sixty-first and Market streets. Brick, two stories, 120x115 feet. Electric lighting, steam heating, slag roof, terra cotta. Plans in progress.

**Residence** (alt. and add.), Merion, Pa. Architects, Karcher & Smith, Crozer Building. Owner, E. R. Johnson, Merion, Pa. Stone, two and one-half stories, electric lighting, tile roof. Architect taking bids, due June 10th. The following are figuring: H. E. Grau Co., 1707 Sansom street; E. J. Hedden, 14 South Broad street; George & Borst, 277 South Eleventh street; J. S. Wilson & Co., 1125 Brown street; William R. Dougherty, 1610 Sansom street.

**Gymnasium** (alt. and add.), Frankford, Pa. Architect, Walter Smedley, Stephen Girard Building. Owners, Friends' Asylum, Frankford. Stone, two stories, slate roof (electric lighting, steam heating reserved). Architect taking bids, due June 6th. R. C. Ballinger & Co., 218 North Thirteenth street, are figuring.

**Parish House**, Grenloch, N. J. Architect, H. L. Reinhold, 1309 Walnut street. Owners, First Presbyterian Church of Grenloch, N. J. Frame, two and one-half stories, 30x40 feet. Asbestos shingle roof, electric lighting. Plans in progress.

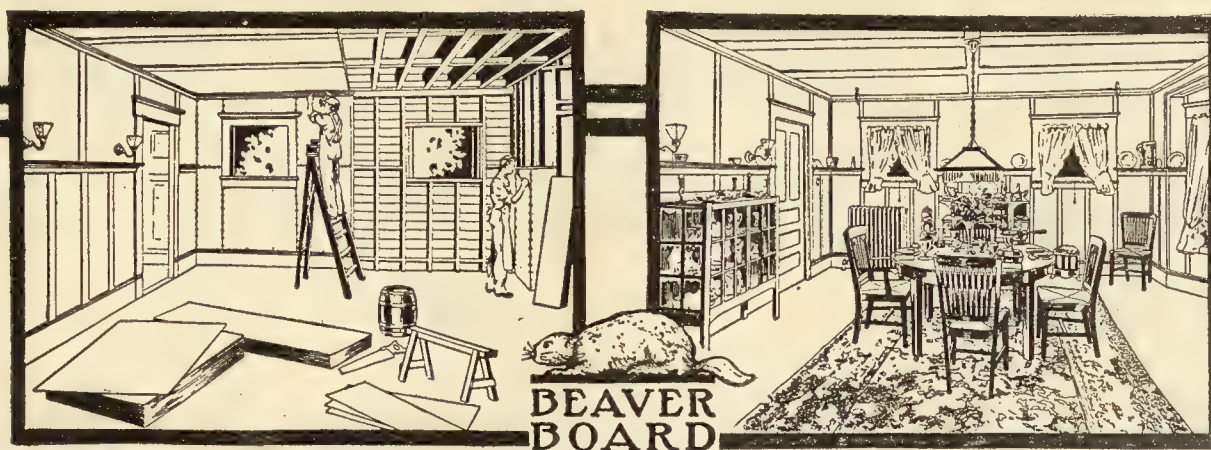
**Hotel**, Worcester, Mass. Architects, Esenstein & Johnson, Buffalo, N. Y. Owners, Bancroft Hotel, Worcester, Mass. Brick, fireproof, limestone, granite, terra cotta, ten stories, 170x110 feet. Slag roof, electric lighting, steam heating, elevators. Architects taking bids, due June 10th. The following are figuring: J. E. & A. L. Jennock, Land Title Building, and James G. Doak Co., Crozer Building.

**Store Building**, Bally, Pa. Architect, E. F. Bertollette, West End Trust Building. Owner, Estate of Irwin Bechtel, Bally, Pa. Brick, three stories. Plans in progress.

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## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Head House and Platform**, Twenty-fourth and Market streets. Architect, H. B. Nicholas, Chief Engr., Eighth and Dauphin streets. Owners, Philadelphia Rapid Transit Company, Eighth and Dauphin streets. Steel and wood, electric light. Contract awarded to Graham Campion Co., Heed Building.

**Residence**, Oak Lane, Pa., \$10,000. Architects, Simon & Bassett, 1118 Chestnut street. Owner, Frank E. Whitney, 6604 North Sixth street. Stone, 2½ stories, 45x31 feet, slate roof, electric light, hot-water heat. Contract awarded to William Fesmier, Glenside, Pa.

**Power Plant**, Twenty-first street and Allegheny avenue. Architects, Heacock & Hokanson, Bailey Building. Owner Stell Heddle Company, on premises. Reinforced concrete, one story, 100x45 feet, concrete roof. Contract awarded to G. L. Sipps, 911 Locust street.

**Factory**, Beach and Evans streets, Pottstown, Pa. Architects, Ballinger & Perrot, 1211 Arch street. Owners, S. Liebovitz & Sons, Pottstown, Pa. Brick, stone, three stories, 90x127 feet, slag roof, electric light, steam heat. Contract awarded to Frederick Keiser & Co., Pottstown, Pa.

**Residences** (2), Washington, D. C., \$24,000. Architect, D. K. Boyd, Fifteenth and Walnut streets. Owners, Wendel & Treat,

Wayne, Pa. Stone, 2½ stories, 60x28 feet and 38x36 feet. Contract awarded to J. D. Lengle, Wayne, Pa.

**Factory**, Riverside, N. J. Architect, W. E. S. Dyer, Land Title Building. Owners, Henry Taubel & Sons, Riverside, N. J. Brick, four stories, 44x111 feet, slag roof, electric light. Contract awarded to Westcott & Windgate, 2011 Bellevue avenue. Note contractor's address.

**Rectory**, Bradley Beach, N. J. Owner, George I. O'Hara, Bradley Beach, N. J. Architect, George I. Lovatt, 421 Walnut street. Stone, three stories, 40x50 feet, slate roof, hot-water heat, electric light. Contract awarded to William Wrifford, Camden, N. J.

**Residence**, Chestnut Hill, Philadelphia. Architects, Stewardson & Page, 320 Walnut street. Owner, Howard S. Grahams, 435 Chestnut street. Stone, three stories, steam heat, slag roof, electric light. Contract awarded to F. E. Wallace, 1210 Sansom street.

**Rectory** (alt. and add.), Sixteenth and Locust streets. Architects, Bissell & Sinkler, Bailey Building. Owners, St. Mark's Church, care A. G. Mortimer, 1625 Locust street. Stone, three stories, consists of interior alterations. Contract awarded to A. H. Williams & Son, 419 Locust street.

**Residence**, Radnor, Pa. Architects, Bis-

sell & Sinkler, Bailey Building. Owner, S. D. Sinkler, care of Architect. Brick, three stories, 72x36 feet; wing 44x28 feet, shingle roof, electric light, vapor steam heat, hardwood floors. Contract awarded to Appleton & Burrell, 1204 Chancellor street.

**Office Building** (add.), Forty-fourth and Thompson streets. Architects, Ballinger & Perrot, 1211 Arch street. Owners, Chalfonte Bros., on premises. Brick, two stories, electric light, slag roof. Contract awarded to William R. Dougherty, 1610 Sansom street.

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**Chapel** (add.), McKinley, Pa. Architects, Druckenmiller, Stackhouse & Williams, Land Title Building. Owners, McKinley Mission, McKinley, Pa. Stone and clapboard, one story and basement, 40x50 feet, slate roof, hot-water heat. Contract awarded to C. R. Hammerly, Oak Lane, Pa.

**Church**, Sixty-first and Jefferson streets, \$25,000. Architects, Ballinger & Perrot, 1211 Arch street. Owners, Mary A. Simpson Memorial M. E. Church, care of architects. Stone, one story and basement, slate roof, electric lighting, steam heating. Contract awarded to A. Whitehead, 1624 Latimer street.

**Bakery Building**, Pottstown, Pa., \$12,000. Architect, Charles Balderson, 411 Walnut street. Owner, John L. Schultz, Esq., Pottstown, Pa. Brick, two stories, slag roof, 60x140 feet. Electric lighting, steam heating. Contract awarded to William Wiand, Pottstown, Pa.

**Store Building** (alt. and add.), Fifth and South streets. Architects, Magaziner & Potter, 37 South Fifth street. Owner, A. Berkovitz, on premises. Brick, three stories, Con-

tract awarded to M. J. Lazaroff, 1318 South Sixth street.

**Store Building**, 1227 Walnut street. Architects, Watson & Huckel, 1211 Walnut street.

Owner, L. Rappaport, on premises. Brick, four stories, slag roof, electric lighting, steam heating. Contract awarded to H. C. Dahl, 231 South Eighth street.

## Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

F. C. Michaelson (O), 845 Land Title Bldg. Cost, \$2800. One dwelling, brick, two stories, 15x46 feet. Fallon and Ludlow street. Cost, \$16,800. Seven dwellings.

H. W. Scarborough (O), 522 Walnut street. William Cooper (C), 4909 North Fifteenth street. Cost, \$2800. Dwelling, brick, two stories, 16x30 feet. 4740 North Fifteenth street.

Lowenstein & Granich (O), 528 South Fifth street. Cost, \$4000. Two dwellings, brick, 16x20 feet. 428 Gaskill street.

C. Kiely (O), 312 West Seymour street. Cost, \$8000. Four dwellings, brick, two stories, 15x30 feet. Cost, \$2700. One dwelling. Richmond and Plum streets.

O'Donnell & Thomas (O), Broad and Cheltenham avenue. George A. Boyd (C), 1822 Erie avenue. Cost, \$33,800. Thirteen dwellings, two stories, brick, 15x37 feet. Cost, \$2600. One dwelling. Cost, \$2400. One dwelling. Seventeenth and Hunting Park avenue.

H. D. Lyster (O), 5933 Chestnut street. Cost, \$3000. Two dwelling, 16x28 feet, two stories. Cost, \$3000. Two dwellings. Sixty-second and Market streets.

Jacob Lotz (O), 4133 Frankford avenue. J. Fotheringham (C), 3367 Frankford avenue. Cost, \$1900. Garage, two stories, 26x60 feet, brick. 4133 Frankford avenue.

A. Frank and T. Kaiser (O), 1522 South Sixth street. Cost, \$2100. Dwelling, 912 Snyder avenue.

C. J. Kiesburg (O), 2065 East York street. J. Gaerbuer (C), 2214 North Third street. Cost, \$1250. Dwelling, 2063 East York street.

M. Dobbins (O), 1511 Sansom street. J. A. Hand (C), 8029 Frankford avenue. Cost, \$1200. Garage, Willett Road, west of Frankford avenue.

J. K. Strubing (O), St. Martin's Lane. S. Warting (C), 20 East Johnson street. Cost, \$600. Garage, St. Martin's and Willow Grove avenue.

Mitchell Stead (O), 2736 North Eleventh street. J. H. Days (C), 1613 North Twelfth street. Cost, \$450. Dwellings, Eleventh and Lehigh avenue.

H. M. Brown (O), Queen Lane, Germantown. J. H. Frith (C), 385 West Price street. Cost, \$2000. Dwellings, two stories, brick, 18x23 feet. Oak Road and School House Lane.

S. S. Keely & Sons (O), Main and Twenty-first streets. E. L. Cuthbertson (C), 334 Roxborough avenue. Cost, \$2500. Storage, three stories. Dwelling, brick, 19x40 feet. Main and Twenty-first streets.

J. Zollek (O), 3614 Tulip street. F. Pezzillo (C), 3314 Almond street. Cost, \$2000. Dwelling, two stories, brick, 16x40 feet. Thompson and Ontario streets.

Ed. J. Brady (O), 4049 North Reese street. Cost, \$2000. Dwelling, two stories, 16x38 feet. Marsden and Unrich streets.

J. C. Burkholdan (O), 5918 North Ninth street. Cost, \$4000. Two dwellings, two stories, brick, 16x46 feet. Spruce and Warnock streets.

Robert Killough (O), Wayne and Duval streets. Cost, \$55,100. Twenty-sixth dwellings, two stories, brick, 16x44 feet. Creham Road, south of Durham.

W. L. Slefer (O), 4252 North Broad street. Cost, \$1550. One dwelling, two stories, brick, 20x36 feet. Venango and Eighth streets.

H. S. Jennings (O), Oak Lane. Oak Lane Park Building Co. (C), Seventh and Cheltenham avenue. Cost, \$7000. One dwelling, three stories, brick, 35x32 feet. Sixth street and Sixty-fourth avenue.

E. A. & B. L. Carroll (O), Sixtieth and Girard avenue. E. A. Carroll (C), 700 North Sixty-third street. Cost, \$14,000. Two stone dwellings, three stories, 24x47 feet. Lincoln Drive and McCallom street.

McIlvain & Co. (O), Land Title Bldg. Metzger & Wells (C), Heed Bldg. Cost, \$110,000. Apartments, four stories, 130x40 feet. 400 South Fifteenth street.

F. C. Michaelson (O), 845 Land Title Bldg. Cost, \$18,000. Five dwellings, three stories, brick, 16x60 feet. Venango and Twenty-second streets.

R. R. Heath (O), Eightieth and Ashwood avenue. Cost, \$2400. Two dwellings, two stories, 14x36 feet, brick. Eighty-sixth and Ashwood avenue.

J. M. Mitchell (O), 4 South Farragut street. Cost, \$14,000. Four dwellings, two stories, 15x23 feet, brick. Cost, \$2900. One dwelling. Cost, \$2700. One dwelling. Cost, \$15,000. Six dwellings. Cost, \$3800. One dwelling. Forty-eighth and Chestnut streets.

Frank Thompson (O), Eighty-fourth and Tincum avenue. Cost, \$1500. One dwelling, two stories, 16x25 feet, brick, Redmond and Tincum avenue.

J. M. Holmes (O), 2903 North Judson street. Cost, \$28,000. Eight dwellings, two stories, 16x28 feet, brick. Wyoming and A streets.

Frank Hardart (O), 202 South Tenth street. Steuckert & Sloan (C), 1420 Chestnut street. Cost, \$40,000. Garage and salesrooms, two stories, brick, 66x125 feet. 2126 Market street.

St. Stephen's Evangelical Lutheran Church (O), Fortieth and Powelton avenue. T. C. Trafford (C), 1613 Sansom street. Cost, \$35,000. Church, two stories, 54x54 feet. Fortieth and Powelton avenue.

Miss Douglass (O), B and Westmoreland streets. George Edel (C), 835 East Ontario street. Cost, \$10,500. Seven dwellings, two stories, brick, 14x26 feet. Braddock and Shiller streets.

S. A. Ross (O), Moreland avenue. G. S. Roth & Sons (C), 230 East Graver's Lane. Cost, \$27,400. Dwelling, stone, three stories, 24x30 feet. Moreland avenue and Huron street.

Brick first came into prominent notice when our forefathers vainly thought they could build the tower of Babel as a connecting link between earth and heaven. From that day to this science has wrought marvelously with building materials, principles of architecture have arisen, and enlightenment has penetrated the nations, but with all of our knowledge of science and sense of discrimination we still find brick among our most useful, ornamental and lasting of building materials.—"Dealers' Material Record,"



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**Alterations and Additions**

A. W. Flieshman (O), 1625 Oxford street. Smith Hardican Co. (C), 1606 Cherry street. Cost, \$1000. Dwelling, 1514 North Seventeenth street.

Charles Marion (O), 310 Dickinson street. J. Neuman (C), 1029 Jackson street. Cost, \$800. Amusement Hall, Twenty-sixth and Allegheny avenue.

A. M. Bedell (C), 14 West Fourteenth street, New York city. F. A. Havens (C), 845 North Nineteenth street. Cost, \$16,000. Store, Twelfth and Market streets.

Free Church of St. John (O), Emerald and Elkhart street. W. J. Hodges (C), 2060 Elkhart street. Cost, \$3500. Sunday-school.

Stewart Maloney Estate (O), 1930 Sansom street. L. K. Smith (C), 1461 North Fifty-second street. Cost, \$1500. Stores, 2116-18 Market street.

E. P. Earle (O), Chestnut Hill. F. L. Hoover & Son (C), Builders' Exchange. Cost, \$7000. Residence, Chestnut Hill.

City of Philadelphia (O), City Hall. Vulcanite Paving Co. (C), Land Title Bldg. Cost, \$1045. Hospital, Second and Luzerne streets.

R. H. Stuart (O), 923 Columbia avenue. O. N. Baker (C), Pitman, N. J. Cost, \$1000. Factory, 923 Columbia avenue.

Thomas R. Roberts (O), 6061 Webster street. Charles T. Hallowell (C), 530 North Fifty-sixth street. Cost, \$900. Garage, Sixty-first and Webster streets.

F. Sarborius (O), 2045 North Lawrence street. E. E. Hollenbach (C), Fifteenth and Race streets. Cost, \$1200. Dwelling, 2045 North Lawrence street.

Morris Realty Co. (O), Bailey Bldg. J. Borden & Bros. (C), 637 North Nineteenth street. Cost, \$500. Office, 122 South Thirtieth street.

A. M. Maloyanhuen (O), 5926 Walnut street. Cost, \$2000. Store and dwelling, 6009 Market street.

W. Maier (O), 5409 Catherine street. W. Walker (C), 2031 Cheltenham avenue. Cost, \$500. Store and apartments, Twenty-ninth and Columbia avenue.

Moore & White Co. (O), Fifteenth and Lehigh avenue. S. B. MacDowell & Sons (C), 1927 Montgomery avenue. Cost, \$3000. Machine shop, Fifteenth and Lehigh avenue.

M. Di Rocce (O), Tenth and Catharine streets. N. D'Armico (C), 702 South Tenth street. Cost, \$1500. Hotel, Tenth and Catharine streets.

Real Estate Trust Co. (O), Broad and Chestnut streets. William Morrow (C), 320 Harmony street. Cost, \$500. Studio, 320 Harmony street.

John Frederick (O), 450 Rising Sun Lane. H. A. L. Smink (C), 5320 North Twelfth street. Cost, \$1500. Dwelling, 436 Pike street.

F. E. Hahn (O), 1112 Chestnut street. T. Little & Sons (C), 1615 Sansom street. Cost, \$1000. Dwelling, 1511 Oxford street.

J. Marton (O), 1627 South Twenty-second street. J. McDevitt (C), 1331 South Twentieth street. Cost, \$375. Store and dwelling, 1627 South Twenty-second street.

A. Disante (O), 1723 Carpenter street. V. Cerasoti (C), 1231 Christian street. Cost, \$1300. Dwelling, 1723 Carpenter street.

John Cox (O), 5028 Westminster avenue. V. A. Feeser (C), 618 North Thirty-ninth street. Cost, \$900. Store and dwelling, 5028 Westminster avenue.

Philadelphia Rapid Transit Co. (O), Eighth and Dauphin streets. Cost, \$450. Sub-station, Market and Allison streets.

E. J. Dwyer (O), 1718 Welsh Road. E. E. Esham (C), 4804 Woodland avenue. Cost, \$400. Dwelling, Forty-first and Filbert streets.

Ada Webb (O), 2749 North Ninth street. W. J. Jones (C), 2947 North Ninth street. Cost, \$500. Office, 3156 North Fifth street.

R. T. Ferguson (O), 5601 North Fifth street. George R. Dewees (C), 311 Grange avenue. Cost, \$625. Store, Front and York streets.

Whittaker Bros. (O), Marshall and Diamond streets. J. T. McCookeel (C), 2104 North street. Cost, \$400. Store and dwelling.

Henry W. Brown (O), Queen Lane. John H. Frith (C), 385 West Price street. Cost, \$1000. Garage, Oak Road and School House Lane.

Dobson Estate (O), Smith Hardican Co. (C), 1606 Cherry street. Cost, \$8500. Store, 833 Market street.

Noah Bailey (O), 1815 Christian street. F. Massiah (C), 1815 Christian street. Cost, \$400. Dwelling, 1815 Christian street.

William Howard (O), Abbington, Pa. E. R. Headman (C), 2539 Germantown avenue. Cost, \$580. Store, 2549 Germantown avenue.

Glen Willow Ice Company (O), Manayunk, Philadelphia. Drehman Paving Company (C), 2625 Parrish street. Cost, \$2,848. Ice house, Manayunk, Philadelphia.

Stein & Co. (O), 207 Callowhill street. Drehman Paving Company, 2625 Parrish street. Cost, \$1,615. Poultry house, 207 Callowhill street.

Dill & Collins Company (O), Richmond and Tioga streets. William Steele & Sons (C), 1600 Arch street. Cost, \$1,500. Garage, Richmond and Tioga streets.

J. C. Boggs (O), 4922 Warrington avenue. Cost, \$1,200. Dwelling, 3024 B street. Cost, \$2,000. Store and dwelling, 3000 B street.

B. R. Brady (O), Broad and Susquehanna avenue. P. J. Kilcullen (C), 5340 Wakefield street. Cost, \$1,820. Stable, Broad and Susquehanna avenue.

Joseph Kotter (O), Eighty-fourth and Aybertson streets. Cost, \$900. Dwelling, Eighty-fifth and Albertson streets.

H. A. Appelbaum (O), 2711 Girard avenue. Cost, \$650. Dwelling, 2832 to 40 Cambridge street.

Mary Milton (O), Bryn Mawr, Pa. G. C. Dougherty (C), 1711 Ranstead street. Cost, \$1,500. Stone, 20 South Seventeenth street.

S. P. Young (O), 308-10 North Seventeenth street. McLaughlin Bros., Inc. (C), 521 St. James street. Cost, \$750. Residence, 34-08-10 North Seventeenth street.

Mrs. C. M. MacNichol (O), 6218 Woodland avenue. Cost, \$500. Restaurant, 6218 Woodland avenue.

Mrs. H. Lafferty (O), 4948 Westminster avenue. Cost, \$1,200. Store and dwelling, 4948 Westminster avenue.

Christian Church (O), 5440 Westminster avenue. A. F. Atwood (C), Aldan, Pa. Cost, \$1,300. Church, Fifty-first and Brown streets. Morgan Doors:

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## ART IN STAINED GLASS

In Chartres Cathedral there are 175 stained glass windows, which are regarded as being among the most wonderful in the world, most of them dating from the twelfth century. Scarcely one of them dates from later than the thirteenth century, and the entire collection is considered the most complete gallery of the rich mosaic glass of that period.

This is the reckoning, says “Handicraft,” 124 great windows, three great roses, 35 lesser roses and 12 small ones! And in these are painted 3889 figures, including 32 contemporary historical personages, a crowd of saints and prophets in 38 separate legends and groups of tradesmen in the costumes of their guilds.

The reds, like those at Reims, are everywhere wonderful; the saffron also and the citron yellows, the brown and the emerald green; but most superbly beautiful of all are the blues, the lucid transparent azure of the twelfth century lancets, and the deep sapphire, the blue of Poitiers, which fills the lower windows of the nave.

The secret of its manufacture is lost, but you can understand, when you behold it, how easily that story was believed which said that in order to secure this depth of blue the monkish glaziers used to grind sapphires to powder and mix them with their glass. There is only one thing that can be compared with the stained glass of the North, and that is the mosaics of the South, of Ravenna, Palermo and San Sofia.

The cathedral offers to the student of glass a perfect model, not, indeed, of de-

tail, for upon the path which leads to the perfection of detail the thirteenth century glazier still had many steps to take, but of effects in decorative colorings. In the rose you have a confused effect of color, in which there is not any too definite form to spoil the charm of the broken bits of color upon the senses.

But it is in the lancet windows of the nave that the row of otherwise (let it be confessed) ungainly figures supplies by means of the drapery, cloaks and borders that mixture of color and shade that makes color beautiful, and with those broad masses of stain combined with absolute simplicity and severity of design which should be the ideal of the glazier. And they are not crowded with too much story.

But though the palette of the early glazier was so rich in quality with those splendid reds and ineffable blues, the secret of which has long been lost, and other primary colors, it was poor in extent. To this poverty must be ascribed the curious colorings of many details. Beards are often painted blue and faces usually brown. Some shades of a rich, purplish brown was, in fact, the ordinary flesh tint of the early glazier.

The sunburnt effect of their brown visages only accentuates the Oriental aspect of many of these glass figures. As at Bourges, so here, the influence of the East is plainly visible, not only in the hieratic type of the personages and their sumptuous apparel, but also and still more undoubtedly in the mosaic borders by which they and the medallions beneath are framed.

## COST KEEPING FOR CONTRACTORS

A recent issue of the “Journal of the American Society of Engineering Contractors” contains an article entitled “Cost Keeping and Its Value in Relation to Estimating on New Work,” which is significant in its substance as well as its title in that it indicates that the contractor of today is looking upon his business as not merely that of a good “boss,” getting a maximum amount of work out of each laborer at the minimum wage, but that he is advancing it to be a profession, the laws of which should be studied and mastered if success is to be attained.

Even more significant of this than the paper itself was the discussion, in which several contractors stated their belief in this idea of contracting. One contractor whose work is largely reinforced concrete stated: “I keep a clerk on all of my work, and he has nothing to do but one thing—keep the time and keep track of the materials and their disposition. He checks up

the materials, and that relieves the foreman of that duty. \* \* \* It is a small job that does not pay for the clerk to keep time and check materials. I think that is as necessary as any other part of the work. If there is a bag of cement that goes over to a certain footing, it is charged to that footing, and so on for other sections of the work. And all it costs to know that is the salary of the man who is taking notes of them.”

Another speaker summed up the advantages to contractors of cost keeping as follows: “The old-fashioned contractor who did not keep cost records never knew whether he had made or lost money on his job until it was completed; and if he had made money he did not know on what items he had made it. He had made money on the whole job, and that is all he knew. And he used those same figures on the next job, if it were similar to the previous one; whereas, if he had kept a cost system he



would have been able to bid more intelligently on work by reducing the price on some of the items where he had made more money than was necessary, and increasing the price for those items on which he had figured too low before."

The author of the article, Berton M. Laughead, described in brief what is included in such cost keeping as follows: "In

order to successfully make estimates that will enable a contractor to make safe bids, it is absolutely necessary that he keep daily records, in detail, of every branch of his work, so that on completion he will be able from such records to compile a final cost sheet that will show him the total cost and the cost per yard of his work."

## Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

\*\*The United States Civil Service Commission announces an examination on June 12, 1912, for a laboratory assistant in engineering, and another on June 26 and 27 for an assistant to inspector of ordnance. Particulars may be obtained from the commission at Washington, D. C.

\*\*Mr. Oswald C. Hering and Mr. Douglas Fitch announce the removal of their offices to the southwest corner of Madison avenue and Thirty-first street, New York, at which location they will continue the practice of architecture.

\*\*The annual election of officers of the Building Trades Employers' Association was held in the rooms, 30 West Thirty-third street, New York City, last week. C. G. Norman, the retiring Chairman of the Board of Governors, was presented with a gold watch and fob.

These officers were elected: President, William Crawford; First Vice President, F. G. Weber; Second Vice President, Edwin Outwater, and Treasurer, A. N. Chambers. William J. Holmes continues as Secretary. Charles J. Kelly was chosen to succeed Mr. Norman as Chairman of the Board of Governors.

\*\*An echo of the recent clay products show at the Coliseum in Chicago comes all the way from Boston, where a colony of substantial homes is planned on much the same basis as the famous Forest Hills, Long Island, work now being conducted by Mrs. Russell Sage. By chance this Boston colony is also at Forest Hills—Forest Hills, Mass.

The original plans called for the use of other materials.

Brickmakers returning from the Coliseum with the assembled facts as to the

real cheapness of artistic brick work fresh in mind, called on Henry Howard, president of the company, the well-known yachtsman who was defeated by King Alfonso, but had the honor to win against Prince Henry of Prussia in the sonder class race at Kiel. Mr. Howard called in the architects, Kilham & Hopkins, and Grosvenor Atterbury, who asked for comparative costs, and delivered the plans for estimate, with the result that the first twenty-four dwellings in this interesting development are now to be built of brick, in a variety of colors and patterns.

\*\*At the annual meeting of the stockholders of the Federal Terra Cotta Company the following were elected directors for the ensuing year: John E. Berwind, Alfred H. Bond, William B. Dinsmore, Stuyvesant Fish, DeForest Grant, Madison Grant, William Manice, Lewis R. Morris, Schuyler, Schueffelin, Dwight W. Taylor, Edwin Thorne and at a subsequent meeting of the directors, the following officers were elected: DeForest Grant, President; Edwin Thorne, First Vice President; William Manice, Second Vice President; William B. Dinsmore, Treasurer; Dwight W. Taylor, Secretary and Assistant Treasurer.

\*\*Among the visitors at the Builders' Exchange of Cleveland, Ohio, last month was John E. Sibley, treasurer of the National Brick Manufacturers' Association, and president of the Chamber of Commerce of Birmingham, Ala. Mr. Sibley stated that the next convention of the association would be held at New York or Atlantic City.

\*\*L. V. Halbestadt, general manager of the Reading Shale Brick Company, of Reading, Pa., inspected the Royalton Shale brick plant at Middletown, Pa., the latter part of



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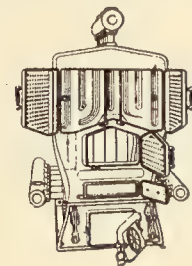
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April. Both plants are owned by Dawson Coleman, of Lebanon, Pa., and it is probable that as a result of this inspection Mr. Coleman will reopen the Royalton plant.

\*\*The Youngsville (Pa.) Tile and Brick Company have secured an order from the Highway Department of the State of New York for 3,000,000 brick. This order will keep the plant at Youngsville busy for several months.

\*\*At a meeting of the directors of the Baltimore Brick Company the following of-





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Officers were elected: Carroll Van Ness, President; Richard Cromwell, Jr., Vice President; Warren Griffiss, General Manager; Harry A. Remley, Secretary and Treasurer; J. G. Cook, Assistant Secretary and Assistant Treasurer.

\*\*The annual meeting of the Courtney Fire Brick Company, of Monongahela, Pa., was held recently and the old officers were re-elected, as follows: President, W. C. McCallister; Vice President, Joseph K. Lytle; Treasurer, J. R. McGregor; Secretary, K. C. Scott. Important business was transacted, and the officers and directors feel elated over the conditions of the company, which makes a business of manufacturing hollow shape brick for the use at the Bessemer open hearth steel mills. At the present time the company is in a flourishing condition. Robert Keeney, of Monongahela, is the superintendent. The plant is

located at Courtney, Pa.

\*\*The brick plant at Tiptop, Va., formerly known as the Radford Brick Company, has been purchased by Hoge Mason, of Bluefield, W. Va. Beginning June 1 the plant will be re-named and thereafter will be called the Tiptop Brick Company. Mr. W. H. Shuff, for the past sixteen years buyer for the Mill Creek Coal & Coke Co., at Coopers, W. Va., will be superintendent of the plant under the new ownership. The first order to be filled by the new company will be one from the Appalachian Furniture Company, of Bluefield, Va., for 400,000 brick. The plant, which has an annual output of eight million brick, has been idle for the past year.

\*\*Bulletin No. 176 of the University of Texas contains an essay entitled "Academic Training in Architecture," which was written by Hugo Franz Kuehne, Adjunct Professor of Architecture in that university. The essay is an appeal for a wider knowledge of architecture among people in general. Following an introductory appeal, it treats under subheads of technique; composition and design; history; and construction and practice.

\*\*The Whitney-Steen Company, engineers, contractors and builders, of 1 Liberty street, New York, have assumed the corporate title of the Whitney Company. Mr. A. R. Whitney, Jr., is President and Treasurer; Mr. T. Eckford Rhoades, Vice President, and Mr. Arthur J. Henchey is Secretary and a Director.

\*\*The United States is apparently leading the world in the production of cement for industrial purposes. The latest figures available in the Bureau of Statistics with reference to production in various parts of the world places the production in Germany at about 30,000,000 barrels, or considerably less than half that of the United States, and that of England, slightly less than 20,000,000 barrels. Of the 78,000,000 barrels produced in the United States in 1910 a very large proportion was consumed at home, the exports for that year being but about 2,500,000 barrels. The total consumption in the United States, according to the best available figures, has grown from about 20,000,000 barrels in 1900 to 74,000,000 in 1910.

\*\*Pennsylvania is by far the largest producer of cement, about one-third of the 78,000,000 barrels produced in 1910 being the product of that State, the States following next in order of production being Indiana, Kansas, Illinois, Missouri, New Jersey, Michigan and New York.

\*\*The cement industry, according to the census of 1910, showed number of establishments 135, capital invested \$187,398,000, number of wage-earners 26,775, wages paid \$15,320,000, cost of materials \$29,344,000, value of products \$63,205,000, value added by manufacturers (value of products less cost of materials), \$33,861,000.

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## Architectural Notes.

The announcement of special services by the Pope to commemorate the completion of Venice's reconstructed Campanile brings to mind, says "The House Beautiful," that it was nine years ago on the fourteenth of July that this famous structure fell. Begun about 902, with some rebuilding in 1329, its walls at last gave way. But the artistic world was soon cheered by rumors of rebuilding and these rumors were materialized largely by the financial aid of the late G. P. Morosini, the New York banker, who had been born in Venice. The fac-simile tower was soon commenced and now, after nearly a decade, is completed.

Meanwhile, a gigantic American version of it was planned and built on Madison Square, New York, for the Metropolitan Insurance Company, and has been occupied for several years. One is tempted at once to criticize the slower Italian methods; but the truth is no comparison is possible between a tower of masonry and one of steel sheathed in masonry. The old method of building was "stone upon stone" and in the new Venetian belfry every stone has been carefully selected.

The bricks were made specially by the Municipality of Venice and great attention was paid to their crushing strength and their resistance to heat and cold; and as to the marble, which commences at the loggia, every piece was chosen to repeat the exact color of the collapsed tower. If the day's work did not succeed in this it was undone. Then again certain requirements of the Construction Commission made speed impossible. The Commission prohibited any form of scaffolding which would leave marks on the beautiful exterior, but at the same time wanted the workmen so protected that the work might proceed in bad weather. The city engineer, therefore, was called upon to devise a special system of scaffolding secured temporarily at a window and which could be readjusted for every completed six feet of wall. Much time was given also to devising a safe method of surmounting the pinnacle by its bronze statue. The bronze angel raised in 1517 and irrevocably destroyed in the collapse, had been rigidly fixed and was consequently a great strain on the whole structure whenever the wind blew. To obviate a repetition

of this a novel and ingenious scheme was adopted: the base of the statue rests upon steel balls which are carried by a metal plate so curved as to permit the base to move freely in every direction. A steel bar anchored in the middle of the statue passes through the ball bearings and downwards for several feet where it terminates in a heavy counterweight—the whole arrangement responding to the fiercest winds from the Adriatic without the least strain on the structure.

\* \* \*

Such details did not enter into the problem of the architect who built our Metropolitan Tower. His greatest concern was for his foundations; for a structure so enormous must rest on solid rock. This seen to, the steel skeleton is riveted together and the exterior slabs anchored on as quickly as possible, so that the building may soon begin to bring a return in rent for the vast sums spent on it. The Metropolitan is more than twice the heights of its prototype, and yet it took far more time to lay up four comparatively low thick brick and marble walls than to rivet together seventy-five thousand tons of slender, accurately calculated bars and props of steel. Then, too, no attempt was made here to rival the color of St. Mark's Cam-

(Continued on page 378.)



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PHILADELPHIA, PA., JUNE 5, 1912.

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# Editorial Comment

"The Guide" contemplates the publication in the near future of the first of a series of sketches under the title "Who's Who in Contemporary Architecture." This series is to run weekly, if possible, and is to consist of a portrait and more or less interesting biographical data in each number concerning the men who are doing notable work in the field of contemporary structural design. While, logically, "The Guide" would prefer to print first the sketches of men of more than ordinary achievement, following these in the regular course with the younger men in the craft, this fact must not, and we hope will not, deter the younger men from forwarding photographs and data so that the series may not lag for lack of subjects. Indeed, "The Guide" ventures to hope that architects generally will take the trouble to forward photographs suitable for reproduction with data sufficient for biographical sketches as promptly as may be, leaving it to the wisdom of "The Guide" to use these with some semblance of order and relevancy. No member of the profession may properly hesitate to comply with "The Guide's" request, actuated by the professional ethics bugbear, for the very excellent reason that no charge is to be made for these sketches, and they cannot therefore be classed as in any way related to advertising. "The Guide's" object in inaugurating such a series deserves, perhaps, a word of explanation. Philadelphia, New York, Chicago and Washington, not to mention a host of lesser cities, have within their boundaries a number of men who are doing big things architecturally; men who are making architectural history and whose personalities and achievements deserve to be known beyond the narrow confines of purely professional admiration. "The Guide" feels that in presenting the portraits of these notabilities of the atelier and the drafting room, accompanied by such notes as may suffice to give the great outside world some notion of the importance of the work these men are doing and its relation to the glorious future of American architecture, it will be contributing to fulfill its mission as an architectural magazine freed from the dry-as-dust technicalities all too common to publications of its kind. To succeed as we hope to succeed in this series, placing at the disposal of the outside press readily available data of the right sort concerning the men who are making American architecture at a pace which is causing the conservative critics of the Old World to sit up and take appreciative notice, we must have the friendly co-operation of members of the craft. The man who takes the position that he is too big to take cognizance of the proposition here outlined is a much an enemy to progress as the more modest stripling in the ranks who

is held back by the fear that he is too small. The invitation is to all alike—famous and obscure, old and young, successful and striving. Such details as light and shadow, pertinency and timeliness may safely be left to the discretion of "The Guide." The proposition, gentlemen, is "Who's Who in American Architecture." The man doesn't exist who is too big or too small to find a place under the umbrageous friendliness of a series so captioned. Make the photo a good one, the data as full and complete as circumstances warrant, and address simply, Editorial Department of "The Guide," Perry Building, Philadelphia. With the right spirit of co-operation on the part of some men whose names occur to us, this series should play an important part in the education of the great lay public to the dignity, the worth and usefulness of the architectural calling.

\* \* \*

Daniel H. Burnham is dead. He died at Heidelberg, Germany, one of the stops in an automobile tour he was engaged in making of France, Germany and Italy. Mr. Burnham was born at Henderson, New York State, in 1846, moved to Chicago in 1855 and studied architecture under Long & Jenney, L. Q. Lourean and Carter, Drake & Wright. In 1873 he founded the architectural firm of Burnham & Root, later known as D. H. Burnham & Co. Philadelphians knew Mr. Burnham as the architect of the new Wanamaker Building, the Land Title Building and the building of the Girard Trust Company. The outside world knew Mr. Burnham best as the principal consulting architect of the World's Columbian Exposition. Burnham ranked with the late Stanford White as one of the most notable of American architects, the genius of White leaning more to the artistic, while that of Burnham concerned itself chiefly with the solidly commercial and enduring.

\* \* \*

Former Fire Chief Croker, of New York City, whose point of view is naturally that of the man trained to fight fire, is quoted as having said:

"If I had my way about it I would not permit a piece of wood, even the size of a lead pencil, to be used in the construction or finish of any building in the United States exceeding a ground area of 25x50 feet or three stories in height. If there was still an absolute necessity for its use, if it could not be replaced with steel, as it has been in many modern constructions, it would then be well to attempt to conceive of something better. Wooden floors, wooden window frames, doors and casing burn and help other things to burn. Everything that is made of wood burns and helps the fire to spread. Eliminate wood, remove the cause, and you have precluded the possibility of fire."



Now, with all due deference to Mr. Croker as an excellent fireman, and one who may be presupposed to speak with authority on the question of extinguishing flame, his views as here quoted fall little short of the absurd. If it were practicable to construct a building solely of iron and furnish it throughout with iron down to the smallest detail, and our cities were composed exclusively of such buildings that we should have small need for Crokers, fire fighters or insurance against fire goes without saying. At the same time it cannot fail to be recognized that the simple solution of the problem here suggested is most anything but practicable. With all due credit to the excellent results achieved in metal furniture and trim, no one with the faintest aestheticism of soul will presume to call these results pretty or decorative in the sense of the materials they aim to replace. And iron and concrete construction is, unfortunately, as ugly as it is unburnable. No person educated to decent canons of taste will consent to relinquish all savor of architectural and decorative beauty simply to avert fire risk, however troublesome and expensive this item may at times become. Besides, there is the German idea shown by statistics to be entirely feasible. Germany's fire losses are so much smaller than our own

year by year as to give cause for inquiring comment. Yet Germany uses wooden fittings, wooden furniture, rugs, hangings and all the lesser paraphernalia of modern decoration. Why are German fire losses so much smaller than our own? **Not metal trim in unburnable buildings, Mr. Croker. Not a preponderance of concrete construction, Mr. Croker.** Not any of the strings harped on in the cement and insurance press! What then?

Better inspection. More thorough inspection. More effective inspection. Greater care in the business of preventing fire. Fire is like disease—easier to prevent than to master. The new medicine treats disease by teaching modes of living which properly observed guarantee immunity to it. The new fire-fighting will never be fully effective until it takes the same tack. What is needed is not so much unburnable buildings shorn of every grace and charm inside and out which go to make buildings habitable, but buildings instinct with this charm and grace the inhabitants of which will observe care to avoid the risk of having them burn.

Ex-Fire Chief Croker and the concrete interests to the contrary, notwithstanding.

You can't hire loyalty; you have got to deserve it.—Ex.

## CO-OPERATION WITH THE TRADE PRESS.

Why does not your editor once in a while speak of you and your business? Why should he? He is in business for the money that is in it, just as you are, and he does not get any money or kind words from you, so why should he spend his energies and his paper and ink for your benefit. You do not give him a lift over his hard places; why should he boost you? He knows, and you ought to know, that every time he makes mention of you in his columns he puts money in your pocket through the attention it excites among some of his readers, who will not forget to call on you when in want of anything in your line. That's what induces the mail order houses to put their expensive catalogues into every farm house in the country, on the general principle that a new "sucker" is born every minute, and if a customer is not gained to-day he will be to-morrow.

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### ARCHITECTURAL NOTES.

(Continued from page 375.)

panile. Even if we could have procured the same stone trim from the quarries of Istia, the same colored marble, we should still have lacked the brilliant blue sky above and the shimmering waters at the base of our shaft with their magical shifting of lights and shadows. To reconstruct the Campanile with one whit less of devoted thoroughness would have been unworthy of Venice, and we are glad that it again takes its place in the dazzling color effect of the famous Piazza.

\* \* \*

The words "old homestead" and "old manse" have long been magic talismans to the sentimentally inclined. They have seduced many a man from the comparative comfort of a seat by his apartment house steam radiator and led him to absolute misery in the "Revolutionary mansion ideal for remodeling." Many a man has found the rapid-fire artillery of the steampipe preferable to the insidious miasma of acrid smoke that bleared his eyes and choked his nostrils as he tried with vain shivers to produce some feeble flame in the cavernous mouth of his remodeled house fireplace, observes "The House and Garden." A cellar, alternately a skating pond and a quagmire, dampened his enthusiasm, and ceilings that despite replastering depended still more threateningly than the sword of Damocles, finally knocked it entirely from his mind.

That is enthusiasm's one fault; it creeps in where wisdom would be chary to have the cat walk. The experiences of mis-applied enthusiasm are so unfortunate that pessimism of the deepest stamp results. So if you came to the man who had gaily set out to make a home out of an old farmhouse and had gone about it with no experience and little knowledge, and presenting Mr. Hooper's articles, asked "Why not remodel a house?" you would do little more than develop an assassin.

But the rest of the good old-fashioned enthusiasts who indulge their passion in no more harmless fields than collecting china or furniture in a state of trembling senectitude may still be directed to the delights of remodeling. They may reap the pleasures of a home about which there is a garment of romance and whose environs boast grand rows of patriarch trees that no builder of a new house can ever hope for.

\* \* \*

The one consideration is that it requires definite understanding of conditions and is as nice an undertaking in some cases as building from the foundations. The Colonial builders were in most cases sincere and painstaking; the state of their handiwork at present proves this. But there were certain tricks that are necessary to be known before we make changes—the turn of flues, the run of beams, and so forth. There are also certain essential precautions to be taken and certain preventive measures due, before we get satisfaction. To this end the series of articles by Mr. Hooper is directed, and for the first

time the general proposition of making over the old house is presented and a line of procedure mapped out. It demands more experience than is at the hand of the local carpenter or mason.

Even if one is successful in getting a solid, watertight structure, the results of necessary changes are often unpleasing in that the house is a conglomeration of styles—a modern wing is grafted on, or dormers placed where the conventions of an earlier time forbade them. The changed building must radiate the spirit of the original. Its new ornamentation and detail should not be anachronisms. These things must be planned out beforehand. If they are not, the undertaking fails; if they are, there is permanent satisfaction. If, then, you think of remodeling, banish the thought that a little timber and a little plaster are the only essentials. The proposition is one demanding expert knowledge, but gone about rightly has all the rewards that the imagination of the enthusiast pictures it to have.

\* \* \*

A writer in the "London Daily Chronicle" says that the Englishman is always surprised by his climate. He always builds his house upon the supposition that the climate is invariably temperate, never hot nor cold.

By the same sign, the American builds upon the supposition that the climate is always at zero. His house can hold more heat and permit of less judicious and comfortable ventilation than a fireless cooker. The condition of which the English writer complains and which may be echoed for the American directs attention to the curious fact that while so many things are done to make a home beautiful, little is performed to take advantage of modern invention and science.

Hospital rooms, for example, are made with smoothly rounded corners and angles so that dust cannot accumulate and disease germs flourish. Why isn't this plan followed in dwelling houses? asks "The Toledo Blade." Hotels have all manner of schemes for saving work in cooking and the care of rooms. Why do architects studiously ignore these devices when they plan a house for the private citizen? Smokeless stoking apparatus for factories are prescribed by law in some cities. The idea might be applied to advantage to small coal burning furnaces also. The industrial world is tremendously interested in scientific management, the basic principle of which is the saving of labor. Would not the Government be justified in hiring some of these managerial experts to work out similar systems in the interest of housewives and servants?

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Are you aware that "The Guide" prints every week more real, live, readable, up-to-the-minute stuff about architecture and building than any two of its more pretentious contemporaries? Fact, just the same. Compare 'em and see.

Every dealer in lumber ought to prepare now to receive some benefit from the advertising campaign which the lumber manufacturers are about to inaugurate. One hundred and twenty-five thousand dollars will be spent in twelve months to convince the builders to return to the use of lumber. It is likely that the first advertisements will appear in the May magazines.—"Material Record."

### SPACE FOR A SMILE.

#### SCIENTIFIC MANAGEMENT.

"Scientific management, like any other good thing, may be carried to excess."

The speaker was R. Marriott Thompson, the San Francisco scientific management expert. He continued:

"We scientific managers mustn't go as far as Hussler went.

"Hussler was the proprietor of a tremendous factory where scientific management had reduced the motions of every hand from 800 to 17. Hussler attended a very fashionable wedding one day, a wedding where the ceremony was performed by a Bishop, assisted by a dean and a canon, and in the most impressive part of the rite, Hussler, overcome by his scientific management ideas, rushed up to the altar and pushed the bishop and canon rudely back.

"Here, boys," he said, "one's quite enough for a little job like this."

\* \* \*

#### SELLING PAINT WITH STRIPES IN IT.

An automobile drove up to the front of a large retail paint store in one of the big cities recently. The chauffeur jumped out and opened the door for an elegantly dressed lady, whose every motion and appearance bore the mark of education, culture and refinement. She walked into the store and with her eyes swept, with a single glance, the shelves full of cans of paints, stains and varnishes.

To the clerk who approached she said: "Do you keep all kinds of paints?"

The awed clerk meekly replied, "Yes, ma'am."

"Do you have all colors?" she continued.

"Yes, ma'am," again replied the clerk.

"Then," she said, "I want a quart of green paint with a white stripe in it."

As soon as the clerk recovered himself he asked her the purpose for which she wanted the paint. She told him, and then he told her that paint did not come like ribbons, but that she would have to buy the two colors separately and put on the white stripe afterwards.

"Oh," said she, "is that the way? All right, just wrap them up and give them to James in the automobile."

After she had departed the clerk thoughtfully laughed.—"Paint, Oil and Drug Review."

\* \* \*

#### MORE OR LESS PERSONAL.

Oswald C. Hering has sailed for a tour through Spain, Italy and Germany, to study and write on the architecture of those countries. Mr. Hering is known as the architect of beautiful country houses.

\* \* \*

Dodge & Morrison announce the removal of their architectural offices to 133-137 Front street, corner of Pine street, New York City. In these new quarters they obtain increased space and better light.

Arthur L. Loveless, formerly of the firm of Wilson & Loveless, architects, announces the opening of an office for the practice of architecture at 427-429 Henry Building, Seattle, Wash.

\* \* \*

Morris Rotberg has severed his connection with the Rotberg-Drescher Company, at 2336 Third avenue, Manhattan.

\* \* \*

Robert W. Gibson, architect, formerly of 103 Park avenue, New York City, has removed his offices to 185 Madison avenue (Cameron Building), corner of Thirty-fourth street.

\* \* \*

T. T. Rese, Palm Beach, Florida, contemplates a large resident development and desires catalogues on all building materials and supplies.

\* \* \*

The firm of Squires & Wendehack has been formed for the practice of architecture, with offices at 27 East Twenty-second street, New York City. The firm consists of Mr. Frederick Squires and Mr. Clinton C. Wendehack.

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Number of transfers.....	507
Amount of transfers.....	\$1,480,945.20
Cash consideration .....	761,135.00
Mortgage consideration .....	719,810.20
Ground rent consideration.....	1,485.34
Which on a six per cent. basis amounts to .....	24,755.67

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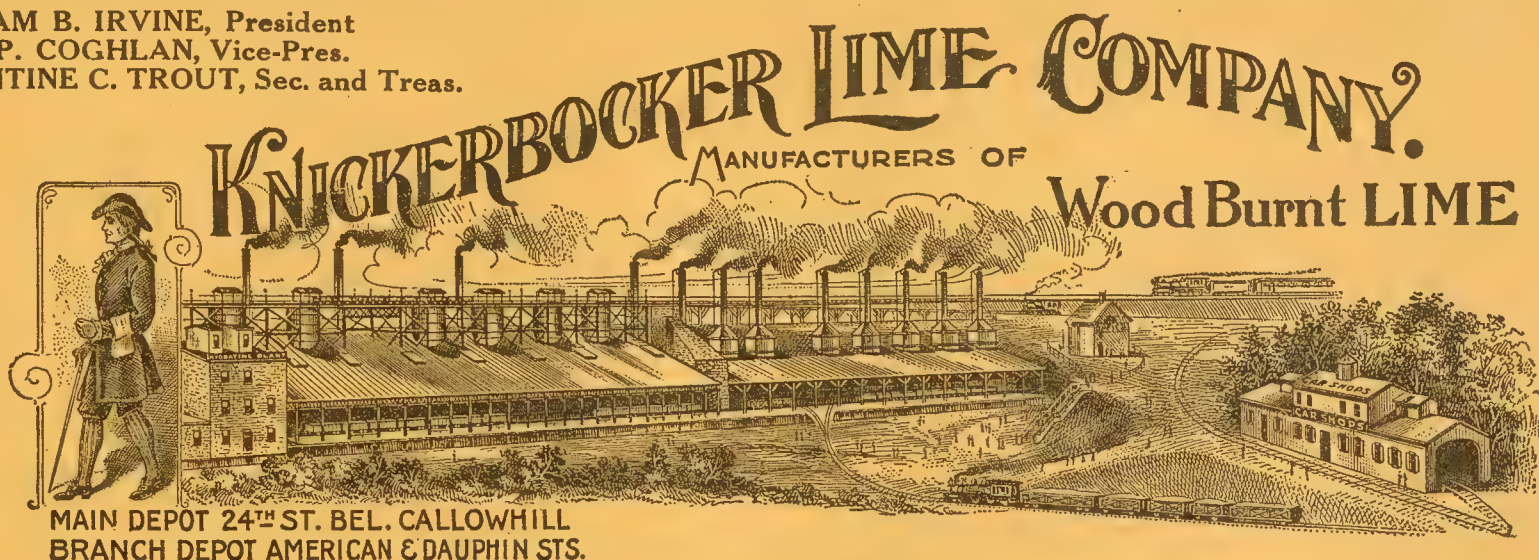
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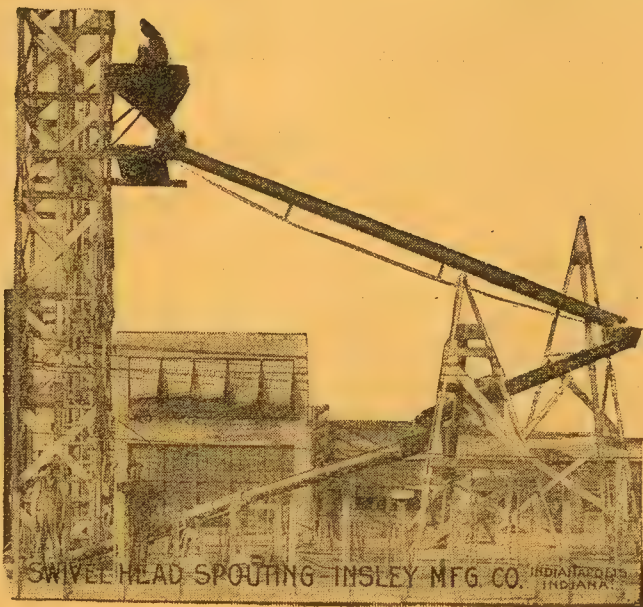
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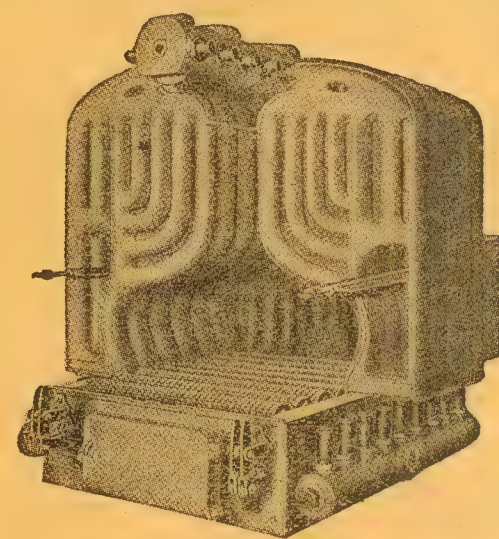
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# Builders' Guide

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Vol. XXVII., No. 24.

PHILADELPHIA, WEDNESDAY, JUNE 12, 1912.

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## Advance Construction News

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**Stores (alt. and add.),** 1728 Chestnut street. Architect, F. H. Keisker, Perry Building. Owner, A. Martin, 128 South Eleventh street. Brick, limestone, four stories, tin roof, electric light, hot water heat, hardwood floors. Architect has received bids.

**Hospital (alt. and add.),** Broad and Wolf streets. Architects, Stearns & Castor, Stephen Girard Building. Owners, Methodist Episcopal Hospital, on premises. Brick, electric light. Architects have received bids.

**Residence (alt. and add.),** 2109 Spring Garden street. Architects, Magaziner & Potter, 37 South Fifth street. Owner, E. Stern, on premises. Brick, three stories, hardwood floors, electric light, interior alterations. Plans in progress.

**Store (alt. and add.),** Ninth and South sts. Architects, Anderson & Haupt, Drexel Building. Owner, H. Jacoby, on premises. Brick, two stories, slag roof, steam heat, electric light. Architects have received bids.

**Warehouse,** Brooklyn, N. Y. Architect, Clark, Dillenback, Reading Terminal, Twelfth and Market streets. Owners, Pure Oil Company, Brooklyn, N. Y. Brick, two stories, 50x146 feet, electric light, slag roof, elevators. Architect taking bids due June 12. The following are figuring: J. E. & A. L. Pennock, Land Title Building.

**Residence,** Media, Pa. Architect, Newton Flounders, Media, Pa. Owner, C. M. Broomall, Media, Pa. Brick and frame, two and one-half stories, 23x35 feet, electric light, hot water heat, shingle roof. Architect taking bids due June 8. J. B. Flounders, 1329 Filbert street, is figuring.

**Residence,** Brielle, N. J. Architect, Bart Tourison, Land Title Building. Owner, Chas. Schroder, Jersey City, N. J. Frame, two and one-half stories, 78x32 feet, shingle roof, hot water heat, hardwood floors, electric light. Plans completed. Architect to take bids in a few days.

**Residence,** Oak Lane, Pa. Architects, Guy King & E. A. Weightman, 1513 Walnut street. Owners, Mrs. M. E. Richards, care of architect. Stone, two and one-half stories, 38x46 feet, shingle roof, electric light, hotwater heat, hardwood floors. Revised plans in progress.

**Residence,** Chestnut Hill, Philadelphia. Architects, Price & McLanahan, Sixteenth and Walnut streets. Owner, J. L. Woolston, 110 Chestnut street. Stone, two and one-half

stories, electric light, hot water heat, slate roof, hardwood floors. Plans about completed. Architects to take bids in one week.

**Warehouse (alt. and add.),** Delaware avenue and Robbins street. Architect, private plans. Owners, Frankford, Tacony & Holmesburg Street Railway Company, on premises. Brick, one story, slag roof. Owners have received bids.

**Garage,** Twenty-third and Walnut streets. Architect, private plans. Owner, John Wanamaker, care of Mr. Haddock, Thirteenth and Market streets. Brick, terra cotta, two stories, 119x240 feet, slag roof, electric light, steam heat, elevators. Owner has received bids.

**Warehouse,** 18 to 22 South Orianna street. Architects, Day & Zimmerman, 608 Chestnut street. Owners, Provident Life and Trust Company, Fourth and Chestnut streets. Brick, fireproof, nine stories, 42x50 feet, slag roof, electric light, steam heat, elevators. Architects have received bids.

**Mill (alt. and add.),** Middletown, Pa. Architect, E. F. Bertollette, West End Trust Building. Owner, H. A. Romberger, Middletown, Pa. Brick, one story, electric light, slag roof. Architect taking bids due June 12. The following are figuring: W. E. Dotts, 148 North Second street; D. A. Hatz, Middletown, Pa.; H. C. Hoffman, Middletown, Pa.; M. B. McNeil, Middletown, Pa.

**Warehouse,** Forty-ninth and Market streets. Architect, E. Allen Wilson, 1208 Chestnut street. Owner, E. F. Gorman, Fifty-second and Arch streets. Reinforced concrete, three stories, 50x150 feet. Owner is ready for bids on general and sub-contracts.

**Church and Parish House,** Ogontz Pa. Architect, L. V. Boyd, Harrison Building. Owners, St. John's Evangelical Lutheran Church, care of architect. Stone, one story, 45x90 feet and 30x70 feet, steam heat, electric light, slate roof. Architect taking bids due June 15. The following are figuring: F. B. Davis, 37 South Seventeenth street; J. S. Wilson & Co., 1125 Brown street; W. D. Sperry, Willow Grove; J. Myers & Sons Company, Witherpoon Building; William R. Dougherty, 1610 Sansom street; McClintock & Weaver, 24 Phil-Ellena street; A. R. Raff, 1625 Thompson street; H. H. Burrell, 1204 Chancellor street; S. T. Poole, Ashbourne, Pa.; W. J. Stevens & Son, Wyncote, Pa.; William Steele & Sons Company, 1600 Arch street.

**Residence,** Eighteenth and Race streets. Architect, H. R. Dagit, 411 Walnut street. Owner, Archbishop E. F. Prendegast, 223 W. Logan Square. Granite, brownstone trimmings, stone, three stories, 91x48 feet, slag roof, electric light, steam heat. Architect taking revised bids.

**Residence,** near Villa Nova, Pa. Architects, Bailey & Bassett, 421 Chestnut street. Owner, No. 460 (name withheld). Stone, fireproof, concrete, three stories, 200x50 feet, cement floors, electric light, steam vacuum heat, electric elevator, slate roof, hardwood floors. Architect taking bids due June 20. The following are figuring: Jacob Myers & Sons, Fidelity Building; J. R. Wiggins, Heed Building; J. Duncan, 920 Walnut street; J. E. & A. L. Pennock, Land Title Building.

**Home (alt. and add.),** Forty-eighth and Woodland avenue. Architect, J. C. M. Shirk, 421 Chestnut street. Owners, Philadelphia Home for Incurables, on premises. Consists of alterations and additions. Architect has received bids.

**Picture Theatre (alt. and add.),** Thirty-sixth and Haverford avenue. Architect, private plans. Owner, W. F. Boogar, 835 Market street. Brick, two stories, tin roof, electric light, steam heat. Owner taking bids. F. B. Davis, 37 South Seventeenth street, is figuring.

**Church (alt. and add.),** Hancock and York streets. Architect, private plans. Owner, Alpha Baptist Church, on premises. Brick, one story, slag roof. T. C. Trafford, 1613 Sansom street, is taking sub-bids due June 8th.

**Building,** Broad and Columbia avenue. \$45,000. Architect, E. F. Durang & Son, Twelfth and Chestnut streets. Owners, Convent of the Sisters of Mercy, on premises. Brick, two stories, 35x120 feet, hall, laundry and class rooms, electric light, steam heat. Architects have received bids.

**Church,** State College, Pa. Architect, Albert Kelsey, Perry Building. Owners, State College Presbyterian Church. Brownstone and Indiana limestone, one story, 45x125 feet, steam heat, slate roof, electric light. Architect taking revised bids. The following are figuring: J. W. Emery, 1524 Sansom street; A. C. Everhard, Lock Haven, Pa.; H. Miller, Bellefonte, Pa.; Roydhouse-Arey Company, Fidelity Building; Stacey-Reeces & Sons, 1609 Filbert street.

**School,** Avon, N. J. Architect, W. G. Hoo-



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per, Belmar, N. J. Owners, Board of Education of Avon, N. J. Brick, limestone trimmings, two stories, 36x40 feet, slate roof, electric light, steam heat. Owners taking bids due June 12. Abel Bottoms & Sons Company, 41 South Fifteenth street, is figuring.

**Hospital (add.),** Savannah Ga. Architect, H. W. Witcover, Savannah, Ga. Owner, St. Joseph's Hospital, Savannah, Ga. Brick, three stories, 88x94 feet, electric light, steam heat, tin roof, elevators. Architect taking bids due June 15. Charles McCaul Company, Tenth and Sansom streets, is figuring.

**Residence,** Fifty-fourth and Wynnefield avenue. \$18,000. Architect, E. Allen Wilson, 1208 Chestnut street. Owner, Henry H. Hall, care of Hall Bros. & Wood, Fifty-fourth and Lancaster avenue. Stone and plaster, three stories, 48x26 feet, wing 22x34 feet, slate roof, hot water heat, electric light, hardwood floors. Plans completed. Owner will take bids.

**Residences (2),** Ambler, Pa. Architect, Schermerhorn & Phillips, 430 Walnut street. Owner, W. B. Houston, 916 Arcade Building. Hollow tile and plaster, two and one-half stories, shingle roof, electric light, hot air heat. Owner taking bids due June 17. The following are figuring: William C. Evans, Ambler, Pa.; John Stackhouse, Ambler, Pa.; William Camburn, Ambler, Pa.; C. J. Kemmerer, Ambler, Pa.; Laurence Packer, Ambler, Pa.; George Amberg, Jr., Blue Bell, Pa.

**Coal Pocket,** Greenwich Point, Philadelphia. Architect, private plans. Owner, Pennsylvania Salt Manufacturing Company, care Mr. Rhodes, Greenwich Point. Wood, steel, slag roof. Owners taking bids due June 11. The following are figuring: E. E. Hollerbach, Fifteenth and Race streets; William Huaphreys, 1341 Arch street.

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KEYSTONE-RACE 8-24

N. E. Cor. 22d and Wood Streets

**Administration Building,** Bedford, Va. Architect, Charles M. Robinson, Richmond, Va. Owner, State Normal Industrial School for Women, Bedford, Va. Brick, stone and stucco, two stories, 135x128 feet, brownstone, fireproof, steam heat, electric light, slate roof. Architect taking bids due June 25. Metzger & Wells, Heed Building, are figuring.

**Office Building,** 1418 Walnut street. Architect, Horace Trumbauer, Crozer Building. Owner's name withheld. Stone, brick, terra cotta, seven stories, 25x190 feet, slag roof, electric light, elevators. Architect taking bids. Cramp & Co., Denckla Building, are figuring.

**Chapel,** Twenty-second and Reed streets. Architects, Thomas, Churchman & Molitor, 1309 Walnut street. Owner, St. Simon, the Cyrenean, Twenty-second and Reed streets. Brick, terra cotta, one story, 40x90 feet, slate roof, electric light, steam heat. Architects, have received approximate bids.

**Home (add.),** Kennett, Pa. Architects, Heacock & Hokanson, Bailey Building. Owners, Friends' Home, Kennett, Pa., Brick three stories, 46x31 feet, slate roof, electric light, steam heat. Architect taking bids due June 15. The following are figuring: J. B. Fleunder, 1329 Arch street; Thomas Grudy, Kennett Square; William Haddock & Co., Wilmington, Del.; A. S. Reed & Co., Wilmington, Del.; Owen Hoopes, Toughkenamon, Pa.; W. Ellicott, Coatesville, Pa.; H. E. Grau Company, 1707 Sansom street; F. B. Davis, 37 South Seventeenth street.

**Sheds (2),** Seventy-third and Elmwood avenue. Architect, W. H. Cookman, Broad Street Station. Owner, Pennsylvania Flexible Metallic Company, 1305 Arch street. Brick, one story, 38x82 feet (each), slag roof. Architect taking bids due June 17. J. W. Emery, 1524 Sansom street, is figuring.

**Plant (add.),** Marcus Hook, Pa. Architects, Ballinger & Perrot, 1211 Arch street. Owners, American Viscose Company, Marcus Hook, Pa. Brick and concrete, one and two stories, slag roof, electric light. Plans completed. Architects ready for bids.

**Residence (alt. and add.),** Merion, Pa. Architects, Heacock & Hokanson, Bailey Building. Owner, E. B. Wilford, on premises. Stone, two and one-half stories, electric light, slate roof. Architects taking bids due June 14. The following are figuring: H. E. Grau Company, 1707 Sansom street; H. H. Burrell, 1204 Chancellor street; J. Myers & Sons Company, Witherspoon Building; F. B. Davis, 37 South Seventeenth street; W. H. Eddleman, 453 Green Lane street; Mowerer Bros., Merion, Pa.

**Residence,** Chestnut Hill, Philadelphia. Architect, Horace Trumbauer, Land Title Building. Owner, Samuel A. Seipt, 2035 Atlantic street. Brick and plaster, two and one-half stories, 30x31 feet, shingle roof, hot air heat, electric light. Architect taking additional bids from John E. Walt, 205 East Willow Grove avenue.

**Buildings (alt. and add.),** Girard College. Architect, J. H. Windrim, Commonwealth Building. Owner, Girard College. Brick and stone, buildings 2, 3, 4, 5, 6, 7, 8, 9, 10, electric light. Architect taking bids.

**Residence,** Media, Pa. Architects, Duhring, Okie & Zeighler, Bailey Building. Owner, F.

W. Sharpless, Media, Pa. Stone, two and one-half stories, slate roof, electric light. Architect taking bids due June 15. The following are figuring: R. C. Ballinger, 218 North Thirteenth street; C. S. Warrilow, Media, Pa.

**Factory,** Second and Ashdale avenue. Architect, James G. Brown, Witherspoon Building. Owner, Germantown Tool Works, 518 Commerce street. Brick, one story, 100x280 feet, slag roof, electric light. Bids due June 15. F. W. VanLoon, Denckla Building, and William R. Dougherty, 1610 Sansom street, are figuring.

**Store,** Eleventh and Commerce streets. Architects, Sterns & Castor, Stephen Girard Building. Owners, Berg Bros., 1005 Market street. Brick, terra cotta, granite, fireproof, eight stories, 78x92 feet, elevator, slag roof, (heat and light reserved). Architects taking bids due June 17. The following are figuring: John N. Gill & Co., Heed Building; F. E. Wallace, 1210 Sansom street; H. E. Baton, Tenth and Sansom streets; William R. Dougherty, 1610 Sansom street; John W. Emery, 1524 Sansom street; A. R. Raff, 1635 Thompson street.

**Residence,** Charleston, Md. Architect, John T. Windrim, Commonwealth Building. Owner, J. B. McCall Estate, Charleston, Md. Brick, granite, plaster, three stories, 32x2 feet, shingle roof, hot air heat, electric light. Architect taking bids due June 13. John R. Wiggins & Co., Heed Building, are figuring.

**Cottage, Garage and Laundry,** Paoli, Pa. Architects, Evans, Warner & Bigger, Witherspoon Building. Owner, Mrs. S. S. Davis, Paoli, Pa. Stone, one and two stories, electric light, steam heat, shingle roof. Architect taking bids due June 12. The following are figuring: Gray Bros., Rosemont, Pa.; William R. Dougherty, 1610 Sansom street.

**Operating Room,** 406 Market street. Architect, J. T. Windrim, Commonwealth Building. Owners, Bell Telephone Company, Thirteenth and Arch streets. Brick, electric light, steam heat. Architect taking bids due June 12. The following are figuring: F. W. Van Loon, Denckla Building; Charles McCaul Co., Tenth and Sansom streets.

**Residence,** Eighteenth and Race streets. Architect, H. R. Dagit, 411 Walnut street. Owner, Archbishop E. F. Prendegast, 223 W. Logan Square. Granite, brownstone trimmings, stone, three stories, slag roof, electric light, steam heat. New plans in progress.

**Residence (alt. and add.),** 2018 DeLancey street. Architect, Lindley Johnson, Harrison Building. Owner, Frederick Kinsley, on premises. Brick, four stories, hot water heating, five bath rooms, hardwood floors. Architect taking bids, due June 17th. The following are figuring: J. P. Thompson, 1432 South Penn Square; Thomas M. Seeds, 1207 Race street; Jacob Myers & Sons, Witherspoon Building; H. H. Burrell, 1204 Chancellor street.

**Residences and Stores (21),** Chester, Pa., \$60,000. Architect, E. Allen Wilson, 1208 Chestnut street. Owner, Chester Realty and Construction Co., care of architect. Brick, two and three stories. Plans in progress.

**Apartment Houses (2),** Germantown, Philadelphia, \$100,000. Architect, E. Allen Wilson, 1208 Chestnut street. Owner's name withheld.





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held. Brick and stone, four stories. Plans in progress.

**Club House**, Princeton, N. J., \$60,000. Architects, Mellor & Meigs, Lafayette Building. Owners, the Charter Club, Princeton, N. J. Stone, two and one-half stories, slate roof. Plans in progress. Architects will take bids in about two months.

**Alterations for Apartments**, 3913 and 1915 Spruce street, \$7,000. Owner, Mrs. Sarah A. Gallagher, 1913 Spruce street. Consists of general alterations for apartments, 6 new baths, hot air heating, electric lighting. Plans in progress. Architect will take bids in about two weeks.

**Residence (alt. and add.)**, Spring House, Pa. Architects, Barnet J. Medoff & Son, 524 Walnut street. Owner, Simon Sionskoy, 933 North Front street. Interior alterations, electric lighting, hot water heating, hardwood floors, tile and mosaic. Owner taking bids at office, 933 North Front street.

**School (alt. and add.)**, 1625-27-29 South Sixth street. Architects, Barnet J. Medoff & Son, 524 Walnut street. Owners, Hebrew Free School, on premises. Interior alterations and addition, brick, two stories. Owners taking bids.

**Residence**, Chestnut Hill, Philadelphia. Architects, Karcher & Smith, Crozer Building. Owner, Charles LeB. Homer, North American. Too early for details.

**Factory Building (add.)**, Eighteenth and Lehigh avenue. Architect, James G. Brown, Witherspoon Building. Owners, Hale & Kilburn, on premises. Brick and concrete, fire-proof, four-story addition. Plans in progress.

**Stable and Garage**, Chestnut Hill, Philadelphia. Architects, Brockie & Hastings, 328 Chestnut Hill, Philadelphia. Owner, Mrs. S.

Goodman, Jr., Chestnut Hill. Brick and shingle, two stories, 25x78 feet. Shingle roof, hot water heating. Architect taking bids, due June 13th. The following are figuring: Thomas Seeds, Jr., 1207 Race street; J. S. Rhodes, Graver's lane, Chestnut Hill; J. E. Walt, 20 East Willow Grove avenue; S. Harting, 20 East Johnson street; William J. Gruhle, 219 High street.

**Residence**, Cynwyd, Pa. Architects, Savery, Scheetz & Savery, Stephen Girard Building. Owner, Mrs. A. E. Oliver, Cynwyd, Pa. Frame, two and one-half stories, 26x27 feet. Hot water heating, shingle roof. Architect taking bids, due June 17th. The following are figuring: Metzger & Wells, Heed Building; A. L. Fretz & Son, 1222 Chancellor street; H. E. Grau Co., 1707 Sansom street; Carvan Construction Co., 5143 Erving street; J. E. Kearney, 327 North Sixty-third street; Mower Bros., Cynwyd, Pa.

**Building (alt. and add.)**, Greensburg, Pa. Architect, P. A. Bartholomew, Greensburg, Pa. Owners, Y. M. C. A., Greensburg, Pa. Brick, three stories, 128x104 feet. Tile roof, electric lighting, steam heating, elevators. Architect taking bids, due June 24th. Metzger & Wells, Heed Building, are figuring.

**Alterations for Apartments**, 3913 and 1915 Spruce street, \$7,000. Architects, De Armond, Ashmead & Bickley, 618 Chestnut street. Owner, Mrs. Sarah A. Gallagher, 1913 Spruce street. Consists of general alterations for apartments, 6 new baths, hot air heat, electric lighting. Plans in progress. Architects will take bids in about two weeks.

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\* \* \*

H. L. Reinhold, architect, has removed from his old location at Tenth and Sansom streets to new offices at 1309 Walnut street, Philadelphia.

\* \* \*

William E. Taylor has been elected vice-president of the National Regulator Company and will take charge of the territory east of Buffalo. The company has opened a new office in the Transit Building, Room 307, New York City.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Residence, Ardmore, Pa.** \$15,000. Architect, Charles B. Keen, Bailey Building. Owner, A. Reed McIntyre, 723 Sansom street. Stone, two and one-half stories, 40x56 feet, shingle roof, warm air heat, electric light, hardwood floors. Contract awarded to George L. Croll, Rosemont, Pa.

**School (alt. and add.), Wynecote, Pa.** Architect, H. C. Wise, 34 South Sixteenth street. Owners, Board of Education, Cheltenham Township. Stone, electric light, copper roof. Contract awarded to F. T. Mercer Company, 1706 Delancey street.

**Residence (alt. and add.), 4213 Chester avenue.** \$11,000. Architect, R. E. White, Pennsylvania Building. Owner, M. K. Harr, 4213 Chester avenue. Stone, three stories, tin and slate roof electric light. Contract awarded to A. Chambley, 243 South Tenth street.

**Church and Sunday School, Sixty-fifth and Lansdowne avenue.** \$50,000. Architect, Charles W. Bolton & Son, Witherspoon Building. Owners, J. Addison Henry Memorial Presbyterian Church. Stone, two stories, 75x125 feet, slate roof, steam heat, electric light. Contract awarded to H. P. Schneider, York road and Erie avenue.

**Residence (alt. and add.), Paoli, Pa.** Architects, Evans, Warner & Bigger, Witherspoon Building. Owner, Mrs. P. G. Hall, Paoli, Pa. Stone, two wings, two and one-half stories, 20x50 feet, shingle roof, electric light, hot water heat, hardwood floors. Contract awarded to A. N. Hall, Paoli, Pa.

**Theatre, St. John's, New Brunswick, Canada.** Architect, A. E. Westover, Keith Building. Owner, B. P. Keith, care of architect. Brick, one story, 65x158 feet (steam heat and electric light reserved), asbestos roof. Contract awarded to H. L. Brown, 1714 Sansom street.

**Residence, Ambler, Pa.** Architects, Schermerhorn & Phillips, 430 Walnut street. Owner, F. P. Hibsman, Wyndmoor, Pa. Frame and stucco, two and one-half stories, 25x37 feet, shingle roof, hot water heating, electric light. Contract awarded to H. Specht, Willow Grove, Pa.

**Residence, Chestnut Hill, Philadelphia.** Architect, J. S. M. Shirk, 420 Chestnut street. Owner, R. G. Fell, 262 South Fifteenth street. Brick and plaster, two and one-half stories, slate roof, asbestos roof, electric light. Contract awarded to F. L. Hoover & Son, Builders' Exchange.

**Coal Pocket, Fiftieth and Gray's avenue.** Architect, private plans. Owner, Karpes Bros., on premises. Concrete, steel roof. Contract awarded to Specialty Engineering Company, Emerald and East Cornwall streets.

**Garage, Germantown, Phila.** \$5,000. Architect, private plans. Owner, John T. Craig, 176 Manheim street. Brick, one story, 46x70 feet, slag roof, electric light. Contract awarded to G. C. Fossel, 128 East Cheltenham avenue.

**Ice Cream Pavilion, Point Breeze, Philadelphia.** Architects, Stuckert & Sloan, Crozer Building. Owner, Robert Crane, Twenty-third and Locust streets. Frame, one story, electric light, chingle roof. Contract awarded to E. E. Hollenbach, Fifteenth and Race streets.

**Residence (alt. and add.), Seventeenth and Spruce streets.** \$15,000. Architects, Brockie & Hastings, 328 Chestnut street. Owner, Dr.

L. Webster Fox, 1304 Walnut street. Brick, three stories, electric light, slate and tin roof, hot water heat, Ruud heater, hardwood floors. Contract awarded to William R. Dougherty, 1610 Sansom street.

**Town Hall, Riverside, N. J.** \$6,500. Architects, Moffet & Stewart, Jessup Building, Camden, N. J. Owners, Township of Riverside, N. J. Brick, one and one-half stories, slate roof, hot air heat. Contract awarded to Hoyer & Lewis, Camden, N. J.

**Hotel, 1229-35 Chestnut street.** \$1,000,000. Architect, Horace Trumbauer, Land Title Building. Owners, Goodin & Provan, Hotel Bingham, Eleventh and Market streets. Brick, terra cotta and steel, fireproof, twenty-one stories, 86x145 feet, steam heat, electric light, hardwood floors. Contract awarded to James G. Doak & Co., Crozer Building.

**Stores and Hall, Logan Station, P. & R. R. Co.** Architects, Stuckert & Sloan, Crozer Building. Owners, Kahn & Greenburg, Morris Building. Brick and stucco, six stories, and hall two stories, 35x88 feet, metal shingle, electric light, steam heat. Contract awarded to George Hogg, 1634 Sansom street.

**Club (alt. and add.), 1307 Locust street.** Architects, Bunting & Shrigley, 603 Chestnut street. Owners, The New Century Guild, on premises. Alteration to kitchen and roof garden. Contract awarded to Smith-Hardican Company, 1606 Cherry street.

**Store House, Milnor and Robbin streets.** Architect, private plans. Owners, Philadelphia Electric Company, Tenth and Chestnut streets. Brick, one story, 25x50 feet, slag roof. Contract awarded to T. C. Trafford, 1613 Sansom street.

**Residence, Haddonfield, N. J.** Architects, Morris & Erskine, Crozer Building. Owner's name withheld. Hollow tile, concrete, two stories, 46x36 feet, slate roof, electric light. Contract awarded to R. C. Ballinger & Co., 218 North Thirteenth street.

**Office Building (alt. and add.), 406 Market street.** Architect, private plans. Owners, Bell Telephone Company, Thirteenth and Arch streets. Interior alterations. Contract awarded to Pomeroy Construction Company, 1609 Ranstead street.

**Power House, Seventieth and Woodland avenue.** Architects, Harris & Richards, Drexel Building. Owners, St. Vincent's Home, Seventieth and Woodland avenue. Brick, one and two stories. Contract awarded to J. E. & A. L. Pennock, Land Title Building.

**Club House (alt. and add.), Germantown avenue and Penn street.** Architect, private plans, R. T. Nichols, Drexel Building. Owners, Germantown Boys' Club, on premises. Brick, one story, 55x79 feet. Contract awarded to Turner Concrete Steel Co., 1314 Arch street.

**Loft Building, Filbert and Hutchinson streets.** Architect, F. Webber, Morris Building. Owner's name withheld. Brick, fireproof, five stories. Contract awarded to J. R. Wiggins Co., Heed Building.

**Club House, Philmont Station, Pa., \$62,000.** Architects, Magaziner & Potter, 137 South Fifth street. Owners, Philmont Country Club. Brick, two and one-half stories and basement. Contract awarded to Sax & Abbot, Hale Building.



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John Swoylan (O), Jacob and Pechin streets. Cost, \$1,600. One dwelling, brick, two stories, 16x40 feet, Pechin and Repka streets.

A. M. Greenfield (O), 1510 Real Estate Trust Building. William J. Greenfield (C), 723 Snyder avenue. Cost, \$8,000. Stores and dwellings, 3619-21-23 Market street.

Barber Hartman (O). C. M. Kebm (C), 1018 Spring street. Cost, \$800. Restaurant, 823 Walnut street.

H. D. Allman (O), 3819 Walnut street. B. P. Evans & Co. (C), Thirteenth and Wallace streets. Cost, \$8,000. Dwelling, 3819 Walnut street.

David Cram (O), 6600 Woodland avenue. Cost, \$36,100. Nineteen dwellings, brick, 15x27 feet, two stories, 5521 to 57 Osage avenue.

F. E. Whitney (O), care of architect. W. Fesmier (C), Glenside, Pa. Cost, \$10,000. Dwelling, three stories, brick, 15x45 feet, Eleventh street and Sixty-fifth avenue.

Philadelphia Rubber Works (O), Thirty-seventh and Reed streets. Stuckert & Sloan (C), Crozer Building. Cost, \$8,000. Manufacturing, three stories, brick, 37x50 feet, Schuylkill avenue and Reed street.

H. Snyder (O), Keystone and Magee streets. A. Phillips (C), 4840 Mulberry street. Cost, \$2,300. One dwelling, two stories, brick, 16x42 feet, Leverick and Tulip streets.

H. S. Graham (O), Chestnut Hill, Philadelphia. F. E. Wallace (C), 1210 Sansom street. Cost, \$21,450. Dwelling, stone, 34x31 feet, three stories, Chestnut Hill.

Dr. George Woodward (O), North American Building. J. A. Gerhart (C), Hartwell and Navahoe streets. Cost, \$4,000. One dwelling, stone, three stories, 33x29 feet, Cresheim Drive and Springfield avenue. Cost, \$5,000. One dwelling. Cost, \$4,000. One dwelling.

C. West (O), 1034 Herbert street. Cost, \$7,500. Two dwellings, two stories, 16x34 feet, brick, Oakland and Allen Grove streets.

Zoological Society of Philadelphia (O), Thirty-fourth and Girard avenue. J. S. Cornell & Son (C), 233 Land Titl Building. Cost, \$3,000. Bear cage, Thirty-fourth and Girard avenue.

flia Monahan (O), 1920 Race street. D. Henwood (C), 220 North Fifteenth street. Cost, \$1,525. Dwelling, 1920 Race street.

J. Rothman (O), 1737 South Sixth street. Cost, \$4,500. One apartment, brick, three stories, Seventh and Tree streets.

Ramsey Bros. (O), 5932 Catharine street. Cost, \$4,000. One dwelling, three stories, 16x56 feet, Fifty-ninth and Washington avenue.

Ramsey Bros. (O), 5932 Catharine street. Cost, \$25,000. Nine dwellings, brick, two

stories, 16x54 feet, Fifty-ninth and Washington avenue.

K. Fluessman (O), Sixth and Olney avenue. H. L. David (C), Sixth and Olney avenue. Cost, \$19,200. Six dwellings, two stories, brick, 16x55 feet, 616 to 26 Chew street.

Philadelphia Rapid Transit Company (O), Eighth and Dauphin streets. Cost, \$400. Oil and lamp building, 17x12 feet. Concrete, one story, Frankford and Bridge streets.

F. C. Michaelson (O), 845 Land Title Building. Cost, \$55,000. Apartment house, 44x431 feet, brick, four stories, Sixteenth and Green sertets.

Wendell & Treat (O), Overbrook, Pa. W. M. Young (C), Overbrook, Pa. Cost, \$11,500. Dwelling, stone, three stories, 32x45 feet, 6452 Woodbine avenue.

Israel Farbstein (O), 504 Dickinson street. Cost, \$3,000. Dwelling and store, three stories, brick, 16x58 feet, 3117 Frankford avenue. Cost, \$5,400. Two dwellings. Cost, \$1,800. One dwelling.

Simon Bennett (O), 3014 South Eighty-fourth street. Cost, \$1,500. Two dwellings, brick, 16x30 feet, two stories, Eighty-fourth and Gibson avenue.

Sedgwick Farms Company (O), 7014 Boyer street. A. S. Tourison, Jr. (C), 7014 Boyer street. Cost, \$10,500. Dwelling, stone, three stories, 31x46 feet, Anderson and Mt. Pleasant avenue.

Charles Robinson (O), 4531 Springfield avenue. William H. Erb (C), 4131 Springfield vaenue. Cost, \$4,500. Two apartments, two stories, 16x70 feet, 4533 Springfield avenue. Cost, \$4,500. Two apartments, two stories, 16x70 feet, 4537 Springfield avenue.

Eli Tilkinton Sons (O). A. Hamilton (C), 2144 East Cheltenham avenue. Cost, \$7,000. Factory, one story, 108x78 feet, brick, Lambert and Godfrey avenue.

D. F. Deal (O), Fifty-fourth and Haverford avenue. William A. Patterson (C), 5331 Vine street. Cost, \$5,250. Garage, Fifty-fourth and Westminster avenue.

William A. Patterson (O), 5331 Vine street. Cost, \$1,200. Garage, 5331 Vine street.

H. E. Jordan (O), 911 Franklin Bank Building. Cost, \$9,000. Six dwellings, two stories, brick, 14x38 feet, Crothers and Eighty-second streets.

J. Schofer (O), 4501 Salmon street. F. Bukalback Company (C), 4608 Richmond street. Cost, \$5,900. Four two-story apartments, 14x39 feet, 4503-05-07-09 Salmon street.

Sceller & Duff (O), Nicetown lane and D street. F. Duff (C), 3648 Frankford avenue. Cost, \$12,000. Eight dwellings, two stories, brick, 14x42 feet, Indiana avenue and Gaul srteet.

Berko Brothers (O), Wood and Randolph streets, Turner Concrete Steel Company (C),

1314 Arch street. Cost, \$40,000. Factory, four stories, 85x61 feet, brick, Wood and Randolph streets.

H. D. Allman (O), 3819 Walnut street. B. P. Evans (C), Thirteenth and Wallace streets. Cost, \$3,700. Garage, brick, two stories, 26x36 feet, Thirty-eighth and Sansom streets.

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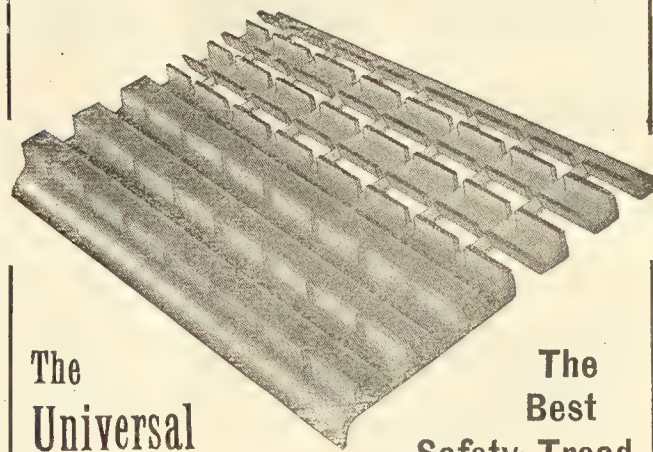
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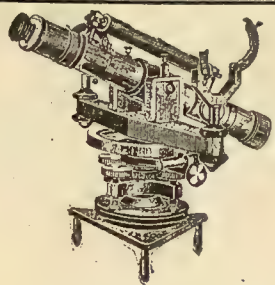
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Joseph Wideman (O), 1718 Lyre street. C. C. Cam (C), 1654 Lyre street. Cost, \$1,600. Dwelling, 1718 Lyre street.

T. Charles Dusenberg (O), 5027 Larchwood avenue. H. E. Brown Heating Company (C), Builders' Exchange. Cost, \$500. Dwelling, 5027 Larchwood avenue.

Lloyd Fulmer (O), 5237 Baltimore avenue. H. E. Brown Heating Company (C), Builders' Exchange. Cost, \$800. Dwelling 4237 Baltimore avenue.

B. Donahue (O), Clearfield and Thompson streets. H. W. & M. A. Grave (C), 990 North Marshall street. Cost, \$500. Store and dwelling, 2645 Clearfield street.

Lincoln Institute (O), 324 South Eleventh street. Mundy Paving Company (C), 211 South Ninth street. Cost, \$2,788. Institution, 324 South Eleventh street.

Overbrook Presbyterian Church (O), Overbrook, Pa. M. Young (C), Overbrook, Pa. Cost, \$4,000. Church, Overbrook, Pa.

Philadelphia Rapid Transit Company (O), Eighth and Dauphin streets. Graham-Campion Company (C), Heed Building. Cost, \$1,700. Head houses, Twenty-fourth and Market streets.

Hernn Presbyterian Church (O), Frankford avenue and Harrison street. C. West (C), 1034 Herbert street. Cost, \$4,000. Church, Frankford avenue and Harrison street.

G. F. Pfund & Son (O), 3954 Germantown avenue. Fred Pfund (C), 3954 Germantown avenue. Cost, \$1,000. Stable, 3954 Germantown avenue.

Masonic Hall Association (O), 4317 Main street, Manayunk. E. L. Cuthbertson (C), 334 Roxborough avenue. Cost, \$4,500. Hall, 5317 Main street, Manayunk.

J. Dei Giovanna (O), 1313 Christian street. J. Padalise (C), 1637 Ellsworth street. Cost, \$600. Dwelling, 1313 Christian street.

Lit Brothers (O), Twenty-first and Washington avenue. Dorsey & Smith (C), 111 North Seventh street. Cost, \$600. Storage, Twenty-first and Washington avenue.

E. T. Stotesbury (O), 1925 Walnut street. William Steele & Sons (C), 1600 Arch street. Cost, \$900. Residence, 1925 Walnut street.

William L. Cravens Sons (O), 2019 Columbia avenue. H. Hazlett & Son (C), 1701 North Twentieth street. Cost, \$400. Dwelling, 1812 North Woodstock street.

S. Jaffe (O), 3870 Poplar street. B. Bornstein (C), 409 South Fifth street. Cost, \$3,400. Store and dwelling, Fortieth and Poplar streets.

A. Miller (O), 3307 Kensington avenue. Barnes Brothers (C), 1449 Loudon street. Cost, \$450. Store and dwelling, 3305 Kensington avenue.

Dr. Mercher (O), Bellfield and Chew streets. The Joseph Bird Company (C), 213 North Eleventh street. Cost, \$500. Garage, Bellfield and Chew streets.

D. W. Bussugertz (O), 474 Leverington street. E. K. Tomlinson (C), 445 Martin street. Cost, \$800. Dwelling, 474 Leverington street.

Alex. Scott (O), 1806 Rittenhouse street. J. Johnston (C), 1221 Ludlow street. Cost, \$5,000. Garage, 247 North Broad street.

Mrs. C. E. Clark (O), 1722 North Nineteenth street. Cost, \$500. Residence, 225 North Juniper street.

P. J. Devitt (O), 1101 South Second street. C. I. Hill (C), 715 South American street. Cost, \$3,000. Store, 1103 South Second street.

Mrs. M. M. Craige (O), 176 Manheim street. G. C. Fossel (C), 128 East Cheltenham avenue. Cost, \$4,000. Garage, 176 Manheim street.

J. W. Rosenberg (O), Broad and Walnut streets. Lam Building Company (C), 1001 Wood street. Cost, \$1,500. Store, 519 Market street.

W. C. Scull (O), 6012 Market street. Cost, \$1,300. Dwelling, 5703 Master street.

Dr. L. W. Fox (O), Seventeenth and Spruce streets. William R. Dougherty (C), 1608 Sansom street. Cost, \$14,000. Dwelling, Seventeenth and Spruce streets.

Theresa Berle (executrix), 1135 West Girard avenue. A. Haldeman (C), Wyndmoor, Pa. Cost, \$800. Dwellings, 1014-16 South Stella street.

Mrs. M. J. Kieffer (O), 1421 West Girard avenue. F. E. Wallace (C), 1210 Sansom street. Cost, \$800. Dwelling, 1711 West Girard avenue.

George Huch (O), 3443 Germantown avenue. H. P. Schneider (C), 3713 York road. Cost, \$800. Dwelling, 3443 Germantown avenue.

Philadelphia Rapid Transit Company (O), Eighth and Dauphin streets. Cost, \$500. Car barn, Greenway and Forty-ninth streets.

Atwater Kent Manufacturing Company (O), Stenton and Fisher's lane. Klonower & Jost (C), 1538 Cherry street. Cost, \$500. Heating, Stenton and Fisher's lane.

Pennsylvania Railroad Company (O), Broad Street Station. Armstrong & Latta (C), Land Title Building. Cost, \$500. Office, Girard Point, Philadelphia.

Estate of J. Dobbin (O), 1941 Market street. W. A. Thompson (C), 1529 Filbert street. Cost, \$1,650. 11 North Twentieth street.

George B. Wilson (O), Forty-third and Walnut streets. R. V. Myers (C), 6614 Woodland avenue. Cost, \$2,000. Greenhouse, Forty-third and Walnut streets.

J. Schuster (O), 3552 North Fifteenth street. Cost, \$1,200. Stable, 3552 North Fifteenth street.

Philadelphia Electric Company (O), Tenth and Sansom streets. H. W. Geshwind (C), 1215 Filbert street. Cost, \$3,633. Boiler house, Christian street and Schuylkill River.

Ajax Metal Company (O), 46 Richmond street. H. W. Easby (C), 1420 Chestnut street. Cost, \$3,200. Factory, Delaware avenue and Orthodox street.

L. Rapport (O), 1227 Walnut street. H. C. Dahl (C), 231 South Eighth street. Cost, \$10,000. Store, 1227 Walnut street.

J. W. Boughton (O), 4424 Larchwood avenue. Park Novelty Company (C), 1211 Noble street. Cost, \$750. Manufacturing, 1211 Noble street.

Charles Kupleird (O), 203 South Fifth street. S. Kraskey (C), 735 Norris street. Cost, \$600. Dwelling, 230 South Seventh street.

Chalfonte Bros. (O), Forty-fourth and Thompson streets. William R. Dougherty (C), 1610 Sansom street. Cost, \$3,300. Office, Forty-fourth and Thompson streets.

A. Berkovitz (O), 524 South street. M. J. Lazaroff (C), 1418 South Sixth street. Cost, \$1,200. Store, 534 South street.

Miller Drug Company (O), 154 North Third street. H. R. Rust (C), 724 Ludlow street. Cost, \$600. Store, 6 and 8 North Eleventh street.

F. Moore (O), 2436 North Front street. Hollenbeck & Bauer (C), 1638 North Hutchinson street. Cost, \$515. Stores, 2434 North Front street.



## MAKING THE REAR VIEW ATTRACTIVE

### Importance in Apartment Building of Making the Outlook from the Back Porch Cheerful and Artistic.

Many a prospective tenant has been discouraged from taking space in an apartment building because of unsightly rear porches and back-yards—a feeling which no amount of entrance ornamentation or showy extravagance in other ways has been able to overcome. In spite of this, many builders will continue to decorate their entrance halls with Italian marble, while the rear of the building, which is sometimes even more noticeable from the street or from adjoining buildings, will have cheap and unsightly wooden porches and stairways "tacked on." Conditions have become such that many architects in the large cities have openly asserted that unless more attention is given to the artistic effect in the rear the apartment building as a desirable place of abode will lose its popularity and persons of moderate means will seek residences or cottages on the outskirts.

The opportunities that have been lost to make the apartment buildings beautiful by the expenditure of a little more money makes one wonders how it was possible to be so short sighted. All that is hideous, and often dirty and unsanitary, may be found in the rear of many apartment buildings, writes Harold Underwood in "The Apartment House." The distressing back porches with their ash chutes, garbage boxes and many other unsightly so-called necessities are so prominent that no matter which direction one may turn the view is most unattractive and objectionable. If there is any one feature of our apartments that would aid in developing a city beautiful plan, asserts architects, it is the obliteration of the abominable back porch, as it is usually constructed, and the concealment of its objectionable features. It is also strange that the opportunity of the back yard has never been developed. The natural longing and desire of every family to retire from the publicity of the front porch, to have a place outdoors to retire for quiet, enjoyment and rest, should certainly be an incentive for builders to give more attention to the rear of the building. If there is true art in the arrangement of the rear as well as the front the building will never be regarded as unattractive and undesirable, regardless of changes of style. The entire exterior should give expression truthfully and attractively to the scheme of arrangement of the building and its constructive features. Builders who desire a perma-

nent value for their structures should above all have the rear and front harmonize. It is absurd to invest thousands of dollars in an impressive looking front and have the rear appear as though no thought had been given to its arrangement.

The fact that there is so much woodwork in the rear of most apartment buildings has moved aggressive architects to urge that brick columns enclosed in glass be substituted. A sun parlor or sleeping porch could also be used to good advantage. White enameled brick or red pressed brick should also be substituted for the common brick. The white enameled brick would have the advantage of affording more light. Some buildings that have been erected during the last few years have adopted the innovation of making a conservatory of the back porch. But the aim of architects who would do away with the objectionable wood work in the rear is to have the porch built at the side of the building leading into a courtway. It is pointed out that the only persons who really enter the building by the rear porch are deliverymen and others on such business missions, and while a porch at the side of the structure would not have the same light facilities as one in the rear, nevertheless it would serve its purpose satisfactorily. It is estimated that on a six-apartment building this harmony scheme could be carried out for an expenditure of \$2,000. This expense could be offset by the tempting of more desirable and permanent tenants and would also eliminate the annoyance of almost constant repair of tumble-down back porches and other woodwork.

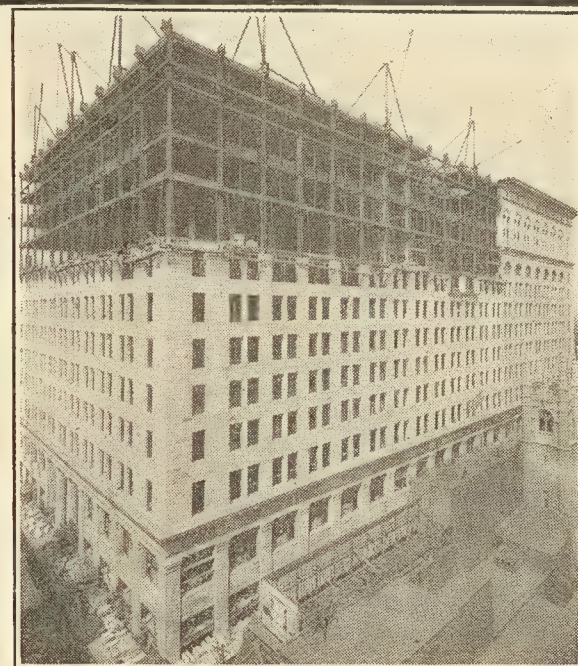
Many speculative builders who have no intention of retaining possession of a structure for more than a year or so are the worst sinners in the matter of eliminating artistic effect in the rear of buildings. They seem to have the idea that so long as the front of the building presents a pleasing appearance it would be extravagant to invest a few additional hundred dollars in making the rear harmonize. Also, buildings put up by many speculators are without back yards, as all the show is made in the front, and the rear presents the appearance of a tumble down tenement with its mass of woodwork. There is absence of grass and shrubbery and the whole scene presents one of commercial avidity. To save every foot of space in the rear, the same



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as the big down-town commercial building, is apparently the aim of the builder. Washings may be seen hanging over lines on the back porch. An old board fence leads from the three-foot space that is used for a yard into the alley. The fact is that the only purpose that the back porch can serve is to afford the housewife a place to dust her rugs and hang out her laundry. It is not desirable as a sitting place and is seldom used by members of the family to come and go to and from the house.

Those who have had large experience in renting apartments can testify to the fact that many families that have been pleased with the front of the building and have also found the interior arrangement satisfactory often balk when they take a view of the rear. The common brick used is so out of harmony with the front of the structure that one would really believe that he or she was looking at a different building. Then there is always the absence of grass and shrubbery in the rear. The family that has been living in a residence building will invariably insist that their apartment accommodations must afford greenery in the rear as well as in the front and this

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is always the stumbling block that the agent must surmount in closing a lease. In most instances the interior arrangement in apartment buildings is so much alike that the prospective renter invariably has a line on just what he might expect of the interior when he goes to make his inspection. But frequently the renter has ideas of his own when it comes to the matter of ornamentation in the rear, and any enthusiasm that the agent was able to develop in the renter after showing him

through the houses in almost every case wanes after the latter has shifted his eyes to the rear of the building. Despite the fact that the agent will protest that the same situation obtains in all apartment houses, the renter will argue that the back of the building could be made more presentable and that he can see no valid reason for so much woodwork in the rear.

The fault that most architects find with builders is that the latter are so determined to conform to existing forms that they do not court suggestions in the matter of beautifying the landscape and having the building appear residential rather than commercial. Most architects who have had wide experience in designing apartments assert that they are always prepared to enhance the beauty of the surroundings and make the rear harmonize with the front, but the builder seems to feel that the back of the building is viewed solely by alley prowlers and that prospective renters do not care for the artistic in a part of the building that is not on view.

According to these architects the only way to bring about harmony and add to the city beautiful plan is for the real estate man, architect and builder to get together. When in close touch with each other the three interests get a good view of the other's ideas, his ideals and the objects sought. In such individual cases the benefits and assistance which one might be to the other becomes very

apparent, and it only emphasizes the fact that it is very surprising that the members of the three callings which have so much in common should not readily agree on some definite plan of beautification.

An architect who has made a deep study of unsightly back yard apartments, insists that there must be an awakening if the large cities are to grow beautiful architecturally as well as expand financially.

"The arrangement of most apartment buildings in our large cities is really hideous," he said. "One cannot get a better idea of the apparent commercial spirit of the builders than by riding along the elevated railroads and beholding the blocks of apartment structures with their old wooden porches, ash boxes, laundry hanging on the line, etc. There is total absence of ornamentation in these properties. All the artistic work is shown in the front of the building, while the rear looks as though not the least thought were given to the construction. Europe, especially Paris, is far ahead of us in the matter of beauty of apartment buildings and their surroundings, and this advantage is brought about by the expenditure of only a small additional sum of money. All architects with whom I have talked tell me the same story—that the builders have the commercial spirit and seem to feel that no attention is ever given the rear of the building and that all the ornamentation should be shown in the front. If there could be such a thing as a campaign of education waged for harmony and artistic arrangement it might be possible that good results could be accomplished, but so long as the builders are determined to sacrifice beauty for cheapness and saving of space the architects will have little influence with them. There could be no more pleasing sight to the eye than an apartment building in which the same kind of building material is used in the rear as the front, without wooden porches and with a wealth of greenery and shrubbery both in front and back yard."

### BUSINESS HINTS.

Small things are often not reckoned in connection with the productive capacity of an establishment, but the modern manager studies his plant with respect to each of its movements and operations. He frequently discovers transparent leaks.

It is a good plan to file the names and addresses of applicants for employment. Often this will be the means of promptly securing a good workman when his services are required.

The profits of a contract may be more than offset by leaks in connection with the items of labor and material. In this connection count the stock room in. Lax and unhandy methods of storing away material occasion loss of time.

One of the chief sources of inefficiency and loss in the average plant is the waste of waiting. Ways to stop it are worth careful consideration. Quick methods of communication between men and departments are important.—Exchange.



## Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

\*\*Stone street, New York City, got its name because it was the first street in this country to be paved with stone. That was about 200 years ago. The stones were probably cobbles. Now street paving is one of the great industries of the country everywhere in cities and towns. The first paving materials were brick and flagstone, and these were used mostly for sidewalks. The macadamizing of roadways began nearly a hundred years ago. The first use of asphalt on a large scale was in Central Park, New York. Blocks of wood, end up, were much used for some time after 1870. Now block stone is the principal paving material where heavy hauling is to be done, while brick is a great favorite in suburban communities.

\*\*The suburbs of American cities are growing faster than the cities themselves. Several causes unite to bring this about, but the principal ones are the improvement of local transit facilities, the lesser cost of building sites and the lower taxation following from the simpler form of government which obtain outside of large cities. The growth of New York City in ten years has been 38.7 per cent., and that of its metropolitan district, outside of the central city, 45.9

per cent. The growth of Chicago's outside district has been 87.7 per cent.; Philadelphia's, 28.5; Boston's, 23.4; Pittsburgh's, 49.1; Frisco-Oakland's, 89.1; Baltimore's, 45.9, and Washington's, 36.5.

\*\*One of the downtown sights at present in New York City is the operation of raising aloft the steel members for the frame of the Woolworth tower building. The hoisting is being done by derricks operated by electric motors and directed by means of pull-bell signals. A telephone system is also employed on the work. In the basement are concrete and mortar mixing machines also operated by motors, and altogether electricity is performing an important part in erecting the building. A force of six electricians is kept constantly employed in extending, altering and maintaining the electric wiring. The current is supplied by the New York Edison Company.

\*\*The following officers were chosen at a recent meeting of the Federal Furnace League: President, Frank Mixter, Rick Island Stove Company, Rock Island, Ill.; vice-president, G. A. Munson, Munson Heater Company, Connellsville, Pa.; secretary and treasurer, Dr. Colbert, Philadelphia; Execu-

tive Committee, G. H. Langenberg, Haynes-Langenberg Manufacturing Company; J. A. Howard, Estate of P. D. Beckwith; P. H. Bradley, Kelsey Heating Company; A. C. Mott, Jr., Philadelphia; W. P. Cooke, Munroe Foundry and Furnace Company.

\*\*The regular annual meeting of the Southern Cypress Manufacturers' Association was held on May 15 at the Grunewald Hotel, New Orleans, La. The Advertising Committee, of which Mr. Ed. Swartz is chairman, reported the result of the year's work and advocated an additional appropriation for increasing the advertising campaign for this year. This led to a discussion by members, including Mr. A. T. Gerrans, chairman of the National Advertising Committee; Mr. R. H. Dowman and others, and as a result a resolution was adopted to increase the subscription made by the members based on output and for the appointment of a committee to visit mills not contributing to the campaign and secure their co-operation. One cent per thousand feet of the increased subscription is to go to the National Advertising Campaign Committee. The officers are: Frederic Wilbert, president, Plaquemine, La.; S. M. Bloss, first vice-president, Garyville, La.; R. H. Knox, second vice-president, Savannah, Ga.; E. G. Swartz, treasurer, Burton, La. Directors: R. H. Downman, F. B. Williams, John A. Bruce, J. N. Cummings, J. F. Wigginton, John D. bert, E. B. Wright, H. M. Cotten, R. M. Carrier, E. B. Schwing, J. A. Barnett, L. W. Gilbert, E. C. Glenn.

\*\*The Master Plumbers' Association of New Jersey held its eleventh annual conven-

(Continued on page 394.)

## Architectural Notes

Some interesting opinions concerning American architecture were expressed by Mons. Hector Guimard, a well-known architect of Paris, and vice-president of the Societe des Artistes Decorateurs, who recently visited this country for the first time. According to press reports he found New York a wonderful city with architectural effects "both to be praised and to be criticised." He said that he came to this country to see if it were possible for the lofty buildings here to be pleasing to the eye as well as useful in housing their many business tenants. "I find," he said, "that it is possible, but to my mind many of your examples of high buildings are disappointing in that one harmonious idea in construction has not been followed by the architect. The lines of a lofty building, it seems to me, should be less pronounced and decorative the higher they go and should finally blend or be lost in the sky. Tower-like effects after a succession of plain stories seem incongruous."

\* \* \*

The New York Society of Architects held its regular monthly meeting on May 21st at its meeting rooms, 29 West Thirty-ninth street. The election of officers took place

and the present officers were re-elected for the term of another year, namely: Samuel Saas, president; Constantine Schubert, vice-president; Louis Berger, treasurer; William T. Towner, secretary. Also the following directors were elected: Messrs. Louis Berger, Richard Berger, John P. Leo, C. Schubert and Adam E. Fisher. That the work which this society is doing is receiving recognition in the profession is evidenced by the fact that 38 applications for membership were received at the last meeting, of which 27 were reported favorably by the membership committee, and these applicants were duly elected members.

\* \* \*

The time when useless little balconies were stuck all over the house for its decoration was a futile period in architecture, writes Carlyle Ellis in "The House Beautiful." Nothing is good architecture that is not primarily useful.

The American's growing love for outdoor life (including outdoor sleeping) has vastly increased the use and importance of his outdoor accommodations and the veranda has increased accordingly in usefulness and comfort. Country and suburban houses are

no longer built without them, but these appendages often lack the right suggestion. The veranda is chiefly used in the afternoon and evening; therefore, if placed on the easterly side it has shade when most in use. A veranda is a lounging place. It should, therefore, be broad enough for steamer chairs or their equivalent. It has a roof for protection from sun and rain; therefore, the roof should be low enough and broad enough really to protect. It remains only to add that the veranda is a conspicuous part of your tableau, and therefore that its lines should conform as far as possible to your general scheme of composition; that is, it should have a definite and friendly relation to the main entrance of your house.

\* \* \*

At the last meeting of the Pennsylvania Architects' Association many excellent papers were read by experts, comments the "Western Architect," but the most interesting to the public were those which called for better building laws and more stable construction of all classes of buildings.

In the natural process of evolution this country has passed through the wooden stage, and that of brick and stone to cement, which is now looked upon as the most advanced

(Continued on page 393.)



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John Irving Dillon.....Editor

PHILADELPHIA, PA., JUNE 12, 1912.

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# Editorial Comment

The operations of the Girard Estate in the southwestern section of Philadelphia prove conclusively that operative building, if distinctive and thorough, meets with a popular demand which it will take years to supply. The Girard operation has for its locale one of the least desirable sections of Philadelphia, a section adjoining the truck patches of "the Neck" and one within olfactory reach of the oil works and other undesirable industrial centers. To offset these natural drawbacks the streets were made unusually wide and attractive, and the houses tasteful and pretty. In place of the customary rows of one stereotyped design the houses were built in pairs, no two pairs being of the same type. The result is an atmosphere of charm and variety such as is unusual in houses of the operative class. To add to this pleasing aspect the houses are exceptionally well constructed. They have been built of good material, show the ear-marks of careful workmanship and have not been skimped in any of the essentials of good building. The interior trim has been planed and fitted, the papering done by a paperhanger, the plastering done with the aid of real mortar. These houses rent, just as rapidly as the builder is able to finish them, at \$35.00 a month. They could have been sold with ease at a figure anywhere from \$1,000 to \$1,500 in excess of the normal operative figures for houses of the size without the slightest trouble. All of which goes to sustain the premise with which we started—that if operative builders can be induced to break away from the cheap, mud-foundation, hatchet-and-saw, architecturally-nondescript type of dwelling so long associated with their work, they will find an appreciative public waiting to buy and rent. Better a clean, workmanlike and successful operation of fifty houses than a skimped, "jerry" and commonplace stab at three hundred. The time is coming when the "jerry" builder is going to find it hard work to unload. Pretty wall paper and gingerbread decoration won't suffice to fool the home hunter as once they did. The man who buys the moderate priced house nowadays has had his eyes opened. He looks for something more in the house of to-day than pretty plumbing and Dutch halls. And he is going to get it. The sun of the "jerry" operator has about set.

\* \* \*

We note that the Boston Chamber of Commerce has recommended the passage of an act requiring the equipment with automatic sprinklers of all second-class buildings in that city—buildings of the second-class being those of which the exterior only is non-combustible. With all due respect to the wisdom of so conservative a body as the Boston Chamber of Commerce, Massachusetts legislators will find it advisable to proceed with more than the usual amount of deliberation when they come

to consider this apparently innocuous little suggestion. Sprinkler attachments, while excellent in their way are not yet applicable to every type of building. Their installation on the wholesale basis contemplated in this recommendation would prove expensive, burdensome and revolutionary to a degree little understood by the interests advancing the suggestion. In New York City last winter considerable damage was done as a result of the freezing up and consequent thawing of this sprinkler equipment. And under the water meter idea gaining headway in all of the larger Eastern cities, this sprinkler apparatus is going to mean greatly augmented water bills. For the large industrial establishment handling combustible wares the sprinkler idea is about as good as anything yet invented next to a properly organized system of fire prevention. For general application along the lines of the Boston Chamber of Commerce suggestion it is better in theory than it is ever likely to prove in practice. We trust the Legislature of Massachusetts will ponder long and thoughtfully before adopting an idea so burdensome and unnecessary as this idea must prove in the great majority of cases. It is well to remember that as compulsory vaccination has failed to stamp out small-pox, compulsory sprinkling installation may not reasonably be expected to do away with fire. Is there a snake in the Boston suggestion requiring a certain fixed type of sprinkler?

\* \* \*

At a recent meeting of the Architectural Association, in London, Mr. C. A. Daubney, of the Royal Institute of British Architects, delivered an address on the aims and tendencies of American architecture which contains so much that is admirable that we are tempted to quote at least the closing chapters.

Said Mr. Daubney, in part:

"If one may venture into the realm of prophecy, it must be to express the belief that there is a bright prospect for architecture in America. The question as to whether this will be realized in the near or distant depends upon one main factor—viz., the education of the public in the taste for the beautiful.

"As matters stand at the present time, art may be degraded and good taste may be corrupted by being compelled to follow on the heels of those who act on the principle that just as in some commercial undertaking wealth and power can demand a rigid obedience, so in the realms of art the artist must follow the lead of his employer, provided he can purchase his compliance at a princely price. The good time would be brought within measurable distance by a period of commercial depression. Architects might then find time to turn their attention to the everyday affairs of the community. A tenement



house would not then be recognized as now, as a ghastly imitation of a factory, or the ordinary suburban dwelling as something very much akin to a wooden barn. Architects might even find time to raise protests against the desecration of the public streets by hideous advertisements and encroachments upon the public convenience by corporations whose only concern is for the dividends of their shareholders. There would then grow up a corporate sense of what is good, and that a man should not have a free hand to offend the good taste of his fellow-citizens, even though he may be a successful business advertiser.

"In conclusion, may I again venture a prophecy that if we are anxious to make real progress we shall do so only on the lines adopted with success in the states. Registration is a futile procedure if it results only in shutting within a ring fence the good and the bad. We must begin where all real progress begins—in the school and in the workshop, in the public press, in the common affairs of life. When the authorities who are responsible for the bridges across our rivers and the lamp posts in our streets, when the factory and mine proprietor who can and does blast the landscape and ruin our buildings by the reek of his works, when the workman, as in days gone by, recognizes that it is as easy to make a beautiful thing, when the community at large expects that the little things of life shall be presented in a true and beautiful form, we shall have no cause then for anxiety for those larger works which have too long been looked upon as the only and proper sphere for the architect and artist alike."

\* \* \*

By the way, if Mayor Blankenburg wants to increase the revenues of the city along lines undeniably legitimate there are two bureaus he should proceed to organize without delay. These are a Bureau of Offensive Trades and a Bureau of Incumbrances. Here and there, all over Philadelphia, often in residential sections of the nicer sort, industries of an offensive type and such as hide warehouses, rag shops, slaughter houses, fertilizer factories, "live" poultry shops, soap works and chemical laboratories of a malodorous kind are creeping into being. Excepting slaughter houses only these places are without official regulation, require no permit, pay no license fee and are beyond official interference unless they degenerate to the point of becoming public nuisances.

A Bureau of Incumbrances would regulate the twin evil of overhanging signs, street stalls, news and fruit stands, bill boards, cab stands, and other encroachments upon the public highway. The type and limitations of these encroachments could be defined by it, scale of charges fixed for the permit for such encroachments and a general supervision maintained to prevent these from becoming unsightly, dangerous or obstructive. Both bureaus suggested exist in New York City, where they net the municipality a consid-

erable revenue. May we suggest to Mayor Blankenburg and Director Porter the wisdom of adopting this idea here in Philadelphia?

\* \* \*

Supervising Architect James Knox Taylor, to whose brilliant management of this difficult office, the Treasury Department of the United States owes a series of public buildings fittingly symbolic of the best ideals of American architecture is reported to be about to resign this office to take up private practice. "The Guide" ventures to express the hope that Mr. Taylor may be persuaded to reconsider this determination—the task of finding an architect, of the first class, with the equipment of tact, resource and executive ability requisite to the place being one unusually difficult. Mr. Taylor has succeeded in administering the affairs of his office in accordance with the code of ethics laid down by the American Institute, in complete sympathy with the highest ideals of architectural practice and with the most notable freedom from every taint of scandal, friction or favoritism. His tenure of office has reflected credit upon American architecture as well as upon the architect as a working unit for the artistic uplift of his community. There should be a nation-wide movement among architects to induce Mr. Taylor to reconsider and to remain in the position he has so long and so conspicuously adorned.

### ARCHITECTURAL NOTES.

(Continued from page 391.)

material. That much of our construction has been and is flimsy is shown by the terrible losses through fire, averaging more than \$250,000,000 annually. Much of the cheap and flimsy construction harks back to an age when there was not money enough to build in a more substantial manner. But there is a good deal of building going on now which is far from satisfactory. The great increase in the cost of lumber of all kinds has led builders to skimp or use inferior grades. The increased cost of labor and nearly all building materials has led either to the construction of poor buildings which may be sold low, or to making prices of the best construction well nigh prohibitive to the average man.

The architects are right in saying that our building laws should be more thorough and inspection should be close in every detail. Many houses recently constructed look very well and may last for a number of years, but within a generation many of them are certain to deteriorate seriously. There seems no reason why a residence in this city should not be built to last for a century with ordinary upkeep. It is certain that many of them will be demolished long before that period. It is false economy to put up flimsy structures. It is unwise to permit them to be erected.

\* \* \*

The first exhibition of the Louisville Chapter of the American Institute of Architects was a conspicuous success. Exhibits from architects in various cities and a list of local architects.

Captain Brinton B. Davis, D. X. Murphy & Bro., McDonald & Dodd, John Bacon Hutchings, Val. P. Collins, Nell Curtin, Mason Maury, Herman Wischmeyer, George H. Gray, Arthur Loomis, J. J. Gaffney, and the Misses Barbour and Preston Bruce.

\* \* \*

George S. Mills, Toledo architect, has been appointed by the State Women's Reformatory Commission to prepare plans and supervise the construction of the new reformatory to be located at Marysville. The commission is composed of Governor Harmon, Secretary of State Graves, Auditor of State Fullington and Secretary H. H. Shirer, of the Board of State Charities.

\* \* \*

A number of young Milwaukeeans are organizing a draughtsman's club to advance the cause of architecture and to give the members a thorough foundation for their future profession.

William Schuchardt is the patron of the club. He is a former student of the famous Ecole des Beaux Arts, Paris.

May 2d the club gave an informal dancing party at the Wells Academy. The proceeds will go to a fund for the establishment of a library and further conveniences for the members in the club quarters.

\* \* \*

For a time it seemed that the State of Missouri would not be able to secure the services of the best of the practising architects in that State and elsewhere in the matter of preparing drawings in competition for the proposed new Capitol Building. It will be remembered that the program as first announced contained provisions which were objected to by so many architects and by the architectural organizations of Missouri, that the State bid fair to receive drawings from but few architects, if any. The Commissioners, with the desire to secure for the State the very best talent obtainable and believing that it would be advantageous to remove any objectionable features, have been in consultation with the architects and with the Standing Committee on Competitions of the American Institute of Architects, to which the matter was referred.

The subject has been given much discussion in the public press and architectural publications and among architects generally, and it is therefore gratifying to note that, as a result of the above conferences, all differences of opinion have been removed and the Commissioners have issued a revised program of competition. This program meets all the requirements of the law creating the Capitol Commission and at the same time provides for conditions of practice which should bring to the solution of this problem the interest and skill of all architects qualified to execute a commission of this importance.

The Commissioners have asked the American Institute of Architects to give its approval to the revised program, and announcement is hereby made that at a meeting of the Board of Directors just held in New York, this approval was given.



# Electric Fans

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## TRADE NEWS AND GOSSIP.

(Continued from page 391.)

tion at Asbury Park, May 7th and 8th, headquarters Coleman House. The following officers were elected for the ensuing year: President, George Turner, Asbury Park; first vice-president, W. D. Meslear, Morristown; second vice-president, L. A. Menegaux, Town of Union; third vice-president, Joseph A. Sprouls, Jersey City; National State vice-president, Harry J. Farrell, Camden; secretary, H. F. Baillet, Newark; treasurer, George S. Aldous; trustees, William E. Storms, Lakewood; John J. Turbett, Newark; Edson Garbrant, Orange; delegates to national convention, President George Turner, Harry J. Farrell, George S. O'Neil.

\*\*In accordance with the decision of the Board of Governors of the National Lumber Manufacturers' Association, President Everett G. Griggs, Secretary George K. Smith and Manager Leonard Bronson have selected headquarters for Manager Bronson, of the Association, at 1221-1223 Chicago Stock Exchange Building, 30 North LaSalle street, Chicago, Ill. All lumbermen visiting Chicago will not only be welcomed by Manager Bronson at the new offices, but it is the desire of the Board of Governors and officers of the Association that lumbermen make it a point to visit their headquarters when in the city and to use the same as well as embrace the opportunity to make any suggestions regarding the work of the Association. The office will also secure in the course of business, information and statistics regarding matters affecting the industry which will be available at all times for the use of the members.

\*\*American Rolling Mill Company has erected six tinning stacks at its Zanesville plant for the manufacture of terne plate with American ingot iron as a base metal. This plant has just begun operations and, judging by the great demand for American ingot iron sheets, roofing and formed products, there will be a brisk demand for ternes made from this pure iron, because of its known durability. The plant will have a capacity of 60 to 1,000 tons per month. The production of pure iron in 30 gauge black plate is a noteworthy accomplishment, because, due to the great and exceptional purity of the metal, the sheets weld together at rolling temperature. It has been quite a problem to manufacture 26 gauge successfully, and the solving of this problem will open up many new fields for this popular product. The tinning department is under the supervision of the oldest tin men in the country, many having learned the art in Great Britain. The genuine Moorewood method of applying a pure lead and tin coating has been adopted. This produces the genuine old style, palm oil, hand-dipped process terne plates that have given such great satisfaction in the past. This plate will pass the U. S. Government specifications.

\*\*The Central Pennsylvania Lumber Company, with headquarters at Pottsville, Pa., has closed negotiations with the Goodyear Lumber Company, and will begin to operate that mill to manufacture lumber from the Central Pennsylvania Company's timber in that locality. The operations will begin within a short time. The Central Pennsylvania Lumber Company expects to peel about 7,000 cords of bark this year, and in addition will have some logs from last year's peeling to manufacture at this mill. Their timber holdings in that vicinity will assure the operation of this mill for several years. This operation, together with the others of the Central Pennsylvania Lumber Company, will give them a good supply of hemlock lumber this year.

plant of the Goodyear Lumber Company, and will begin to operate that mill to manufacture lumber from the Central Pennsylvania Company's timber in that locality. The operations will begin within a short time. The Central Pennsylvania Lumber Company expects to peel about 7,000 cords of bark this year, and in addition will have some logs from last year's peeling to manufacture at this mill. Their timber holdings in that vicinity will assure the operation of this mill for several years. This operation, together with the others of the Central Pennsylvania Lumber Company, will give them a good supply of hemlock lumber this year.

\*\*It will be of interest to our readers to learn that Mr. George Price, formerly with the Tide Water Building Company, and later with D. C. Newman Collins and S. Fisher Miller, engineers, has been retained by the Flintkote Manufacturing Company and J. A. and W. Bird & Co., of Boston, to represent them in the metropolitan district on their line of building specialties covering roofing, waterproof, sheathings, water-proofing compounds, "Rex" wall board, cold water paints, "Ripolin" enamels, etc., with office at 66 Beaver street, New York City.

\*\*The National Association of Stove Manufacturers at the Hotel Pontchartrain, Detroit, Mich., Wednesday and Thursday, May 8 and 9. The following officers were elected for the ensuing year: President, Abram C. Mott; first vice-president, N. H. Burt; second vice-president, R. G. Rennolds; treasurer, Frank Mixer; secretary, E. C. Hanrahan. General Executive Committee: Frederick W. Gardner, Arthur W. Walker, Charles A. DuCharme, Edward Bowditch, Joseph W. Emery, John H. McClure, John H. O'Brien. The committees for the present meeting were as follows: Arrangement Committee, Frederick Will, F. Percy Loth, Alfred E. Stockbridge, Frank N. Brayer, John A. Howard; Reception Committee, William H. Whitehead, Grange Sard, Jacob L. Smyser, George H. Barbour, Lazard Kahn, Charles S. Prizer, Stanhope Boal, Albert N. Parlin, Walter P. Warren, William G. Henry, William J. Meyers, Abram C. Mott, Henry W. Buttorff, Joseph W. Emery, Franklin L. Sheppard, Francis Kernan, Frederic W. Gardner, Nathaniel H. Burt.

\*\*On April 1 the Lehigh Portland Cement Company transferred their office, formerly located at Newcastle, Pa., to Pittsburgh, where they are now located in the First National Bank Building. Mr. H. C. Hutson is sales agent and manager of the new office. Mr. Paul Smith will travel for the company from the Pittsburgh office.

\*\*The Face Brick Manufacturers' Association has announced its intention of starting a movement to have the minimum of face brick cargoes reduced from 50,000 to 40,000. A year ago the railroads increased the minimum 10,000 pounds, which the face brick manufacturers say is unreasonable. It is pointed out that cargoes of fireproofing, hollow bricks and other commodities used in the building trades are given minimum of 40,000 in carload lots. It was agreed to put this



proposition up to the recently organized American Face Brick Manufacturers' Association, of which J. M. Adams, general manager of the Iron Clay Brick Company, of Columbus, is president. That organization has signified a purpose to start a campaign along similar lines.

\*\*The Huntington Clay Products Company, with offices in the Pritchard Building, Huntington, W. Va., have purchased 228 acres of land in Wayne County, on which a new brick plant is to be built. Civil engineers have started on surveys and costs estimated on an up-to-date plant. The company will build four miles of trackage for the N. & W. lines to the proposed plant. The daily capacity will be 100,000. T. L. Millard is president and manager.

\*\*The National Mosaic Flooring Company, Mobile, Ala., will establish plants capitalized at \$100,000 each at Memphis and Richmond and later at some city in Texas.

\*\*The Hocking Valley is to have a new brick manufacturing plant, the Helen Clay Company having been organized, with capital from New Richmond and Cincinnati, to take over and develop a large tract of land near Columbus, Ohio. The officers of the new company are: President, J. M. Helm; Secretary, L. D. Fridman; Attorney, G. M. McMuraschy. The plant will be erected by H. L. Jorbin, who built the big brick plant of the Hocking Valley Products Company at Greendale, Ohio.

\*\*Frank H. Holland, of Buffalo, N. Y., formerly salesman for the Kelly Island Lime and Transport Company, of Cleveland, Ohio, is now on the force of the Woodville Lime and Cement Company, and will travel for that concern in the States of New York and Pennsylvania.

The general offices of the Woodville Lime and Cement Company are at Toledo, Ohio, and their factory is located at Woodville, Ohio. This company are manufacturers of and dealers in lime, cement, plasters, sewer pipe and builders' supplies.

\*\*The Atlas Portland Cement Company, 30 Broad street, has bought a river fleet consisting of the steamer "Josh Cook" and several barges of from 800 to 1000 tons capacity, and will operate extensively during the coming season in the cities and towns along the Mississippi River, between St. Paul and New Orleans. The company has an extensive plant at Hannibal, Mo., and operations along the river will be carried on from that point.

Speaking of the purchase, John R. Morron, president of the Atlas Company, said that the present fleet is only a beginning, and that it will be added to as rapidly as the extension of the business done in the new field requires. The "Josh Cook," which is one of the largest boats plying the Mississippi, was purchased from the Barrett Line, of Cincinnati.

When you don't advertise nobody knows that you are doing business, and it won't be long before you'll not know it yourself.—Ex.

## New Ideas, Materials and Devices

Innovations in Material and Equipment That Merit the Interest of Architect and Building Owner—A Running Resume of Novelties More or Less Recent.

### Gordon Manufactured First Coating:

"It was the first, and it is the best," says Hector M. Gordon, of his Bay State Brick and Cement Coating, which is manufactured by Wadsworth, Howland & Co., 82-84 Washington street, Boston, Mass.

Bay State Brick and Cement Coating has now been on the market twelve years. It has been subjected to all sorts of conditions and tests, and has thoroughly proven its durability.

This coating can be used on any concrete surface, with good effect; and is also adaptable for any brickwork—in houses, factories, walls and floors, vats, damp rooms, etc. It gives a flat finish; it contains no materials which can injure the texture of the concrete; and it is absolutely fireproof. Mr. Gordon wants everyone interested in any way in cement or brick coatings to write him, care of Wadsworth, Howland & Co., for his Booklet No. 19. It is sent free, together with other detailed information upon coatings, their uses and ereets.

### The 1912 National Catalog:

Complete and perfect in every detail of the printer's and engraver's art, is the 1912 catalog of those extensive builders' hardware manufacturers—The National Manufacturing Company, of Sterling, Illinois.

Eighty pages are devoted to illustrating and describing their varied line, and each and every article is dealt with in a thoroughly understandable manner.

Among this company's products at the present time are included rigid storm-proof door hangers, flexible storm-proof door hangers, storm-proof rails, barn door bumper, "Washburne" door latches, door pulls, various types of hasps and staples, hinges for any purpose, foot scrapers, screen and storm door sets, sash hangers, cupboard turns, drawer pulls, ornamental butts and hinges, chimney caps, the "Best" fuel chutes, and the "Handy" automatic stock fountains.

The National Company's lines are well known and widely in use. Hardware dealers, carpenters and builders everywhere should be especially interested in this new 1912 catalog, a copy of which can be obtained by addressing the National Manufacturing Co., at Sterling, Ill.

### American Perfectile:

Perfectile is an interlocking, ingeniously fashioned steel tile which is heavily enamelled, finished to resemble the best genuine tile, outwears and outlasts the clay product and is much easier to set as well as more rea-

sonable in price. Perfectile is manufactured by the American Perfectile Company, Henry Clay, Delaware, with local or Philadelphia offices at 1526 Sansom street.

### Morgan Doors:

Morgan doors have come to be synonymous with all that is good in hardwood veneered door construction, these doors have made a lasting place for themselves in the estimation of carpenters, builders and owners.

A new edition of the illustrated book on Morgan doors, Portfolio D of "The Door Beautiful," has recently been issued by the Morgan Company, the manufacturers of Morgan doors, Oshkosh, Wis.

This book illustrates all the various styles of doors made by the Morgan Company, showing the well known craftsman style of door, among others. The characteristic graining of the various hardwoods employed in door making is also very satisfactorily reproduced. These woods are birch, oak, ash, etc. A very interesting and instructive section of the book is devoted to the construction of Morgan hardwood veneered doors. There is also the valuable treatise on the care of hardwood doors.

This Portfolio D of "The Door Beautiful" will be sent free of charge to any of our readers requesting a copy. Write for it today.

### OVERCOATING OLD HOUSES.

It is very easy to obtain a prepared plaster which is colored. Some very artistic results are obtained by using this material on stucco houses, and if an experienced plasterer is employed, the colored matter can very often be mixed with the plaster to secure any result which may be desired.

The great advantages of stucco houses are the reduction in the cost of repairs, and if the roof is made of some fireproof material they are practically fireproof so far as any danger from outside fires is concerned.

More artistic results can be obtained with this method of construction than the ordinary wooden house. If the house is built as outlined above, with an air space, it is warmer in winter and cooler in summer. This method of construction is being adapted to the reconstruction of old houses and is called "overcoating."—"Building Age."

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## Proposals

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TREASURY DEPARTMENT, OFFICE OF the Supervising Architect, Washington, D. C., June 1, 1912.—Sealed Proposals will be received in this office until 3 o'clock P. M. on the 15th day of July, 1912, and then opened for the construction (including plumbing, gas piping, heating apparatus, electric conduits, and wiring and interior lighting fixtures) of the United States post office at Fairmount, W. Va. The building to be one story and basement, approximately 7,920 square feet ground area, brick faced, with stone trimming and tin roof. Copies of the drawings and specification may be obtained from the office of the custodian of the site at Fairmount, W. Va., or at this office at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect.

TREASURY DEPARTMENT, OFFICE OF the Supervising Architect, Washington, D. C., May 28, 1912.—Sealed Proposals will be received in this office until 3 o'clock P. M. on the 18th day of June, 1912, and then opened, for an electric passenger elevator in the United States post office, Oklahoma City, Okla., in accordance with the drawing and specification, copies of which may be obtained at this office at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect.

### THE NATION'S ROAD PROBLEM.

Fully 300,000 miles of this country's roads must be improved before our public road system can be considered really efficient. The present 190,476 miles of improved roads constitute only 8.66 per cent. of the total public road mileage, and the percentage will have to be increased to 20 before traffic can be moved throughout the country with the minimum of wear and tear on horses, wagons and automobiles.

The French system of roads, long considered the best in the world, was bonded by Napoleon III for \$6,000,000; and something in the neighborhood of \$612,775,000 has already been spent on that system. In this country, owing to the great distances, it is probable that close to \$2,000,000,000 will have to be spent before a proper road system is developed.

While the amount necessary to perfect a great road system seems fabulously large, it does not seem so large when it is divided among the various States and spread over a period of five, ten or fifteen years. When it is considered that New York State has bonded itself for \$50,000,000, and that \$5,000,000 a year is now being expended by that State, it will be seen that a nation-wide system might soon be perfected, were all States to progress as rapidly.

New York heads the list of States which have made the greatest progress in road build

between 1904 and 1909. That State has built 6,911 miles of new road in that period. Georgia is second, and has built 4,344 miles of road in the five years. The gain in Georgia is largely attributed to the use of 4,500 prisoners on the public roads. South Carolina, Alabama, and Florida have also made great gains by building sand-clay roads.—"Cement World."

### ASBESTOS: AN ANCIENT MINERAL WITH MODERN USES.

Although we are familiar with asbestos in many forms, few of us know where it comes from or what strange and interesting uses its history reveals. The word itself is Greek and was applied by ancient authors to quicklime, though Pliny is said to have used it in its modern sense. It meant "unquenchable" and also "incombustible," asbestos having the power of resisting the action of fire.

This fibrous mineral was used by the ancients in various ways, being woven sometimes into shrouds. These, wrapped about bodies which were to be cremated, prevented the ashes of the dead from mingling with the wood ashes of the funeral pyre. It was also spun and woven into fabrics, such as handkerchiefs, which were regarded chiefly as curiosities, and perhaps its most romantic use on record is the possession by the Emperor Charlemagne of an asbestos tablecloth which, when soiled, was cleansed by being thrown into the fire. The Eskimos of Labrador have used this versatile mineral as a lamp wick, a use to which it was also put in some of the sacred lamps of antiquity.

As to its modern application, one could make a long list of its increasing uses in the industrial arts. It is made into yarn, felt, cardboard, stage curtains and fireproof clothing for firemen; it is used in machinery as packing, and as jackets for boilers and steam pipes, as a filtering medium for corrosive liquids and as an electric insulator.

The most used variety is the serpentine asbestos called chrysotile. It occurs in narrow veins, the fibers, only a few inches in length, being usually of a delicate, silky luster, very flexible, elastic and of great tensile strength.—The Craftsman.

### MANY LOCAL ORGANIZATIONS JOIN AMERICAN ASSOCIATION FOR HIGHWAY IMPROVEMENT.

With thirty-one of the leading good roads associations already affiliated with it, the American Association for Highway Improvement, which was formed in 1910 by prominent officials and citizens for the purpose of correlating the road movement, is now launching a campaign to establish local associations in every locality in the United States that does not boast of one at the present time.

In the year 1911 the American Association formed 140 local associations, the work embracing the States of Tennessee, South Carolina, Virginia, West Virginia, Georgia, Flor-

ida and Maine. In the first year of its existence, the association gained 1,000 regular members and 60 sustaining members. The number of regular members is to be increased to 5,000 in the present year.

One of the most gratifying features of the report just issued by the association is the announcement that twenty-one of the leading railroads of the country, in order to aid in the work of stimulating the efforts to bring about a better system of public roads in this country have decided to contribute annually toward the educational work.

The American Association announces that it will continue to strive for wise, equitable and uniform legislation in every State; that it will continue to do all in its power to bring about skilled supervision of roads and the elimination of politics from the management of the roads; and will work towards correlation of the roads, so that those of one State shall connect with those of another State. The Association is also urging the utilization of convict labor in such a manner as to involve the least competition with free labor and to bring about the greatest benefit to society and the most thorough moral and physical development of the convict. In most cases it is held this can be achieved by using the convicts in preparing road materials or in the actual building of roads.

Thomas Nelson Page, the author, is now in charge of the membership committee and is recruiting several hundred new members each month. Lee McClung, Treasurer of the United States, is the treasurer of the association; W. W. Finley, president of the Southern Railway, is chairman of the Executive Committee, and is giving his personal attention to the work. Logan Waller Page, director of the United States Office of Public Roads, is the president of the association, and he says that it will be the endeavor of all the officers to make this a banner year in the road movements in all the States of the Union.

### REAL ESTATE TRANSFERS.

Summary for week ending June 8, 1912:	
Number of Transfers .....	713
Amount of transfers .....	\$1,934,044.98
Cash consideration .....	568,394.98
Mortgage consideration .....	1,365,650.00
Ground rent consideration ....	1,727.00
Which on a basis of 6 per cent. amounts to .....	28,783.34

## PATENTS

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# Reference Directory for Architects, Builders and Owners

## Artists' and Architects' Supplies.

F. Weber & Co., 1125 Chestnut st., Phila.

## Architectural Iron and Metal Work.

John L. Gaumer Co.,  
22d and Wood sts., Phila.

## Awnings

Bernard McCurdy,  
N. E. Cor. 9th and Arch sts., Phila.

## Brick (Face, Etc.)

United Brick and Clay Products Co.,  
Morris Bldg., Phila.  
O. W. Ketcham, Builders' Exchange, Phila.

## Brick Renovating.

Adolph Christensen,  
1433 Brown st., Phila.

## Bank and Office Fixtures.

Stephen F. Ketran, 312 S. 24th st., Phila.

## Blue Prints

Blue Print Co., 1516 Chestnut Street, Phila.

## Boilers and Stacks.

Lindemann Engineering Co.,  
Drexel Bldg., Phila.

## Brass and Bronze Work.

John L. Gaumer Co.,  
22d and Wood sts., Phila.

## Builders.

Mitchell Bros., 2125 Race St., Phila.  
Pomeroy Const. Co., 1609 Ransstead st., Phila.

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Henry T. Peirce, Bulletin Bldg., Phila.

## Cement.

Samuel H. French & Co.,  
4th and Callowhill sts., Phila.  
Chas. Warner Co., Land Title Bldg., Phila.  
Knickerbocker Lime Co.,  
266 N. 24th St., Phila.

## Cement and Asphalt Paving.

Wm. Krause, 1621 N. 5th St., Phila.

## Cement Colors.

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## Elevator (Lubricators.)

American Engr & Mfg. Co.,  
Real Estate Trust Bldg., Phila.

## Engraving, Photo and Line.

Chestnut Street Engraving Co.,  
7th and Chestnut sts., Phila.

## Fire Protection Equipment.

Jas. Boyd & Bros.,  
25th and Wharton sts., Phila.

## Flag Poles (wood and steel).

Bernard McCurdy,  
N. E. cor. 9th and Arch sts., Phila.

## Floors and Floor Finishing.

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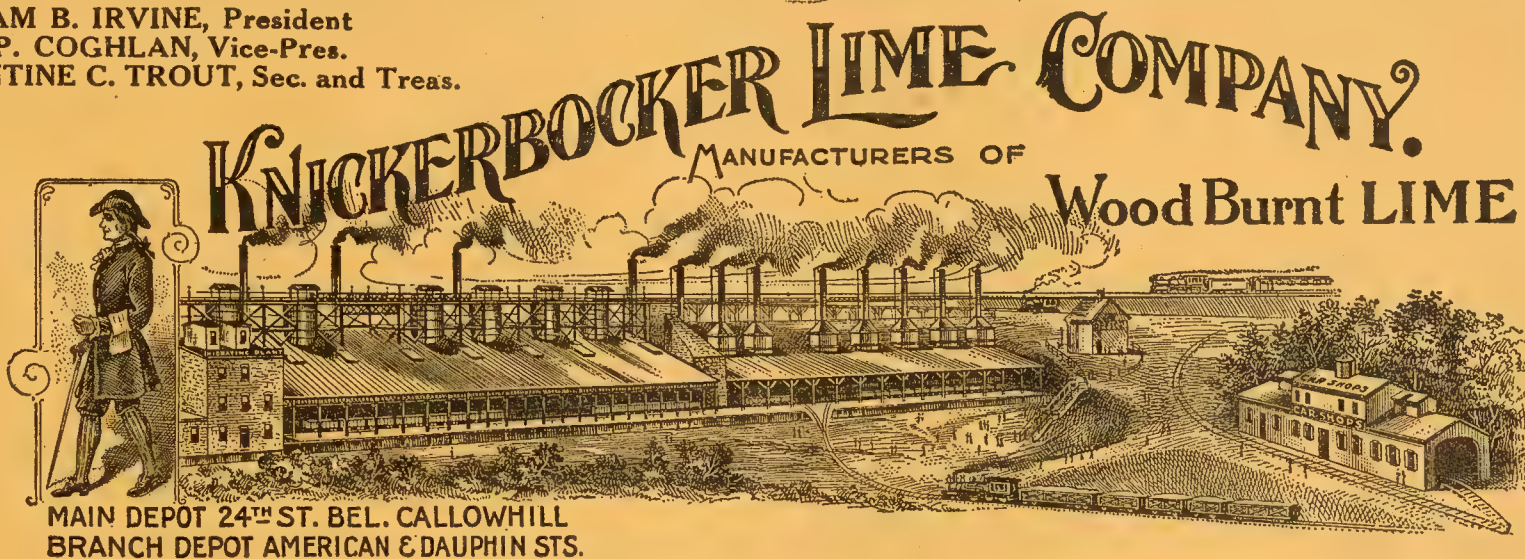
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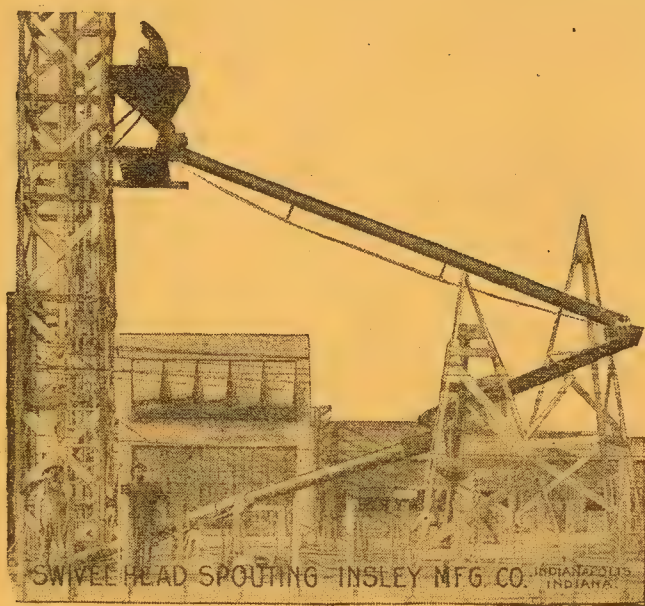
ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS  
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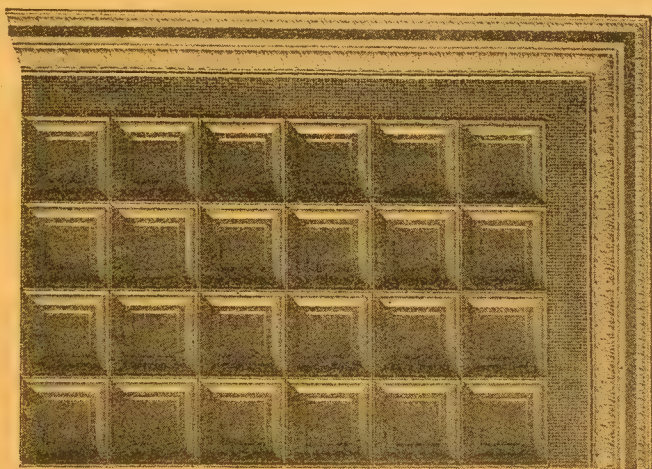
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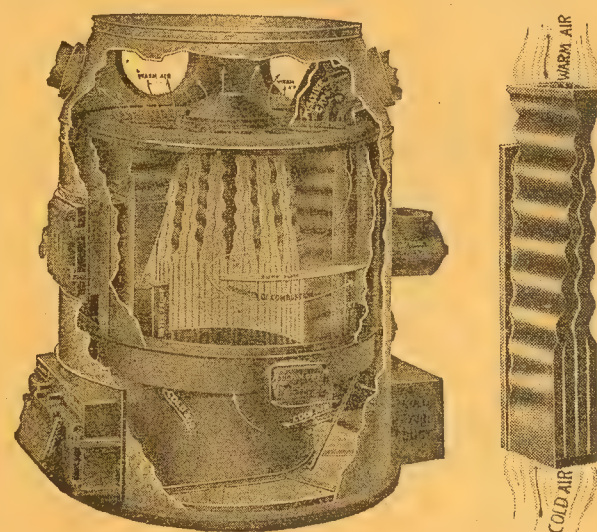
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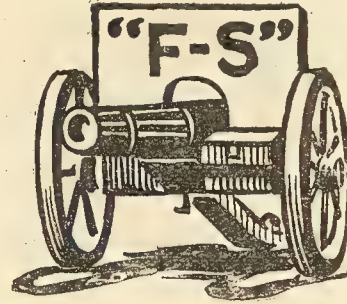
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Vol. XXVII., No. 25.

PHILADELPHIA, WEDNESDAY, JUNE 19, 1912.

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## Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Factory**, Tacony, Pa. Engineer, Karl Garthwaite Smith, Newark, N. J. Owners, Pennsylvania Unit Brick and Tile Company, Tacony, Pa. Concrete, brick, slag roof, electric light. Engineer taking bids due June 22. Stacey Reeves & Sons, 1611 Filbert street, are figuring.

**Residence** (alt. and add.), Frazier, Pa. \$10,000. Architect, Charles Barton Keen, Bailey Building. Owner, W. H. Vilas, Frazier, Pa. Stone, frame, plaster, two and one-half stories, shingle roof, electric light. Architect taking bids due June 21. The following are figuring: E. J. Kreitzburg, 1345 Arch street; A. M. Hall, Paoli, Pa.; W. H. Jones, West Chester, Pa.; G. L. Croll, Rosemont, Pa.; W. D. Smedley, Narberth, Pa.

**Residence**, Merion, Pa. \$10,000. Architect, De Armond, Ashmead & Bickley, 618 Chestnut street. Owner, William B. Tracy, Lafayette Building. Terra cotta, tile and plaster, two and one-half stories, 38x50 feet, electric light. Architects have received bids.

**School**, Watertown, Conn. Architects, Gram, Goodhue & Ferguson, New York City. Owner, Taft School, Watertown, Conn. Brick, stone, fireproof, three stories, 158x250 feet, slate roof, electric light (heat reserved). Architect taking bids due June 22. J. E. & A. L. Pennock, Land Title Building, are figuring.

**Residence** (alt. and add.), 2018 Delancey street. Architect, Lindley Johnson, Harrison Building. Owner, Frederick Kinsley, on premises. Brick, four stories, hot water heat, hardwood floors, five tiled bath rooms. Architect has received bids.

**Residence**, Haverford, Pa. \$20,000. Architects, McIlvain & Roberts, Land Title Building. Owner, Grenville D. Montgomery, Morris Building. Stone and timber, two and one-half stories. Plans about started.

**Residence**, Merion, Pa. \$100,000. Architect, James Russell Harris, 1001 Chestnut street. Owner, Percival Edward Foerderer, Pennsylvania Building. Stone, three stories. Plans about completed. Architect will take bids in about ten days.

**Addition to Plant**, Marcus Hook, Pa. Architects, Ballinger & Perrott, 1211 Arch st. Owner, American Viscose Company, Marcus Hook, Pa. Brick and concrete, one story, slag roof, electric light. Architects taking bids due June 20. The following are figuring: P. Haibach Company, Twenty-sixth and Thompson streets; B. Ketcham's Sons, 1029

Brown street; Cramp & Co., Denckla Building; William R. Dougherty, 1610 Sansom street; William Provost, Chester, Pa.; W. W. Lindsey, Harrison Building.

**Warehouse**, Wheatsheaf lane and Gaul street. Architects, Ballinger & Perrot, 1211 Arch street. Owner, F. W. Tunnel & Co., 15 North Fifth street. Brick, one story, 243x40 feet, slag roof. Architects have received bids.

**New Morgue**, 2009 North Broad street. Architects, Sauer & Hahn, 1218 Chestnut street. Owner, M. Rosenberg & Sons, 2009 North Broad street. Brick, two stories, 14x26 feet, slag roof, electric light. Architects have received bids.

**School**, Fort Washington, Pa. Architects, Schermerhorn & Phillips, 430 Walnut street. Owners, Upper Dublin Township, Pa. Stone, two stories, 50x75 feet, slag roof, hot air heat, electric light. Architects taking approximate bids due June 19. The following are figuring: B. P. Evans, Thirteenth and Wallace streets; H. Specht, Willow Grove; J. B. Flounders, 1329 Arch street.

**Bank**, Mays Landing, N. J. Architect, Guy King, 1513 Walnut street. Owners, First National Bank, Mays Landing, N. J. Brick, two stories, 28x46 feet, electric light, steam heat, slate roof. Plans in progress.

**Residence**, Wayne and Hortter streets. Architects, Savery, Scheetz & Savery, Stephen Girard Building. Owner, J. A. Seeds, 607 West Upsal street. Stone, two stories, 43x48 feet, electric light, slate roof, steam heat. Architects have received bids.

**Residence**, Upsal and Emlen street. \$12,000. Architect, private plans. Owner, Peter Woll, Mascher and Berks streets. Stone, three stories, 43x44 feet, shingle roof, electric light, hot water heat, hardwood floors. W. F. Gruhler, 219 High street, is taking sub-bids.

**Residences** (2), Lincoln Drive, Germantown, Philadelphia. Architect, Frank Seeburger, Pennsylvania Building. Owners, E. A. & B. L. Carroll, 615 Lincoln Drive. Stone, brick and plaster, two and one-stories, shingle roof, hot water heat, electric light. Plans completed. Owner will take bids.

**Packing House** (alt. and add.), Chester, Pa. Architect and engineer, P. S. Kley, 1535 Chestnut street. Owner, J. J. Buckley Company, Chester, Pa. Brick and frame, three stories, 70x70 feet, slag roof, electric light, elevators. Plans in progress.

**Store** (alt. and add.), Main and Coulter

streets. Architect, C. M. Wells, Rutledge, Pa. Owner, James S. Jones & Co., on premises. Brick, three stories, 55x76 feet, electric light, slag roof. Owner will take sub-bids.

**Chapel, Gymnasium, Sunday School and Parish House**, Williamsport, Pa. Architects, Duhring, Okie & Zeighler, Bailey Building. Owners, Trinity P. E. Church of Williamsport, Pa. Brick, three stories, 50x160 feet, slate roof, electric light, steam heat. Plans about completed. Owners to take bids in a few days.

**Sheds** (1), Seventy-third and Elmwood avenue. Architect, W. H. Cookman, Broad Street Station. Owners, Pennsylvania Flexible, Metallic Tubing Company, 1305 Arch street. Brick, one story, 38x82 feet, each, slag roof. Architect has received bids.

**Residence**, Carpenter and Emlen streets, Germantown. Architects, Simon & Bassett, 1114 Chestnut street. Owner, Mrs. Mary F. Stuart, care of architect. Stone, two and one-half stories, 40x35 feet, slate roof, electric light, hot water heat. Architect has received bids.

**Buildings** (alt. and add.), Girard College. Architect, J. H. Windrim, Commonwealth Building. Owner, Girard College. Brick and stone, buildings 2, 3, 4, 5, 6, 7, 8, 9, 10, electric light. Architect taking bids due June 22d. The following are figuring: Pomeroy Construction Company, 1609 Ransstead street; B. Ketcham's Sons, 1029 Brown street; C. McCaul Company, Tenth and Sansom streets; J. Myers & Son, Witherspoon Building.

**School**, Ocean City, N. J. Architect, E. M. Henderer, Ocean City, N. J. Owners, Board of Education of Ocean City, N. J. Brick, terra cotta, two stories, 133x56 feet, slag roof, electric light. Owners have received bids.

**Hospital** (alt. and add.), Chestnut Hill, Philadelphia. Architects, Brockie & Hastings, 328 Chestnut street. Owners, Chestnut Hill Hospital, Chestnut Hill, Philadelphia. Brick, one story, electric light, tin roof. Architects have received bids.

**Residence** (alt. and add.), 2101 Delancey street. Architect, Ed. S. Caxson, 729 Walnut street. Owner, Judge Robert Von Moschzisker, 1326 Spruce street. Stone and brick, four stories, hardwood floors, slate roof. Architect taking bids due June 19. H. E. Grau Company, 1707 Sansom street, are figuring.

**Residence and Garage**, Wynnefield, Pa. Architect, A. M. Adams, 1012 Walnut street.



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Owner, E. B. Newcomer, care of Hall Bros. & Wood, Fifty-fourth and Lancaster avenue. Stone, two and one-half stories, 30x43 feet, slate roof, hot air heating, electric lighting, hardwood floors. Owner will sub-let contracts.

**Club (alt. and add.)**, Princeton, N. J. \$10,000. Architects, De Armond, Ashmead & Bickley, 618 Chestnut street. Owner, Key & Seal Club, Princeton, N. J. Frame, two and one-half stories, shingle roof, electric light, steam heat, hardwood floors. Plans in progress. Architects will take bids in about two weeks.

**Residence**, Pelham, Pa. Architect, Frank Seeburger, Pennsylvania Building. Owner, M. Trump, 130 Lincoln Drive. Plaster, two and one-half stories, 30x44 feet, tile roof, hot water heat, hardwood floors. Plans in progress. Architects will take bids in about two weeks.

**Garage**, St. Martins, Pa. Architect, Edmund B. Gilchrist, Harrison Building. Owner, Dr. George Woodward, North American Building. Stone, two stories. Plans in progress. Pringle Borthwick, 8018 Germantown avenue, will take sub-bids.

**Residence (alt.)**, Southport, Conn. Architect, Edmund B. Gilchrist, Harrison Building. Owner's name withheld. Frame, two stories. Consists of interior alterations, new plumbing, electric light, etc. Plans in progress.

**Stable and Coachman's House**, Merion, Pa. Architect, Frank Seeburger, Pennsylvania Building. Owner, M. J. McMenamin, Arcade Building. Stone, two stories, 50x60 feet, slate roof, steam heat, electric light. Owner is taking subbids.

**Moving Picture Theatre**, Germantown avenue and Venango street. Architect, John D. Allen, Denckla Building. Owner's name withheld. Brick and concrete, two stories, seat

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N. E. Cor. 22d and Wood Streets

3,500 people, slag roof, electric light, steam heat. Plans in progress.

**Buildings (17)**, Havre De Grace, Md. Architects, Dodge & Morrison, 135 Front street, New York City. Owners, Havre De Grace Jockey Club. Frame, one and two stories, shingle roof. Architects have received bids.

**Warehouse**, 18-22 South Orianna street. Architects, Day & Zimmerman, 608 Chestnut street. Owners, Provident Life and Trust Co., Fourth and Chestnut streets. Brick, fireproof, nine stories, 42x50, slag roof, electric light, steam heat. Architects have received bids.

**School**, East Lansdowne, Pa. Architect, W. W. Cochran, East Lansdowne, Pa. Owners, Board of Education, East Lansdowne, Pa. Stone, two stories, shingle roof, electric light, steam heat. Owners have received bids.

**Building (alt. and add.)**, Twenty-first and Nicholas streets. Architects, Magaziner & Potter, 37 South Fifth street. Owners, Berg Dry Cleaning Company, on premises. Brick, one story, slag roof. Architects taking bids, due June 19th. The following are figuring: Lam Building Company, 1001 Wood street; H. E. Grau Company, 1707 Sansom street; H. E. Baton, Tenth and Sansom streets; Smith Hardican Company, 1606 Cherry street; J. B. Flounders, 1329 Arch street; George & Borst, 277 South Eleventh street.

**Eleven Pairs of Twin Houses**, Elm avenue, Ardmore, Pa. Architects, Magaziner & Potter, 27 South Fifth street. Owner, Charles F. Eggleston, Bailey Building. Stone, brick and stucco, two and one-half stories, 34x42 feet. Shingle roof, electric lighting, hot water heating. Plans completed. Owner to take bids.

**Residence (alt. and add.)**, 2109 Spring Garden street. Architects, Magaziner & Potter, 37 South Fifth street. Owner, E. Stern, on premises. Brick, three stories, hardwood floors, electric lighting, interior alterations. Architects have received bids.

**Y. M. C. A. Building**, Fifty-second and Sansom streets, \$200,000. Architect, Horace Trumbauer, Land Title Building. Owners, West Philadelphia Y. M. C. A., on premises. Brick, stone and steel, fireproof, six stories. Plans about completed. Architect will soon take bids.

**Residence**, Sixty-fourth and Lancaster avenue, Overbrook, Pa. Architects, Shore & Dodge, 608 Chestnut street. Owner, Mrs. James Martin, care of architect. Brick, three stories, 52x31 feet; wing, 21x18 feet. Shingle roof, vapor steam heating, electric lighting. Plans in progress.

**Residence**, Merion, Pa. Architects, Bailey & Bassett, 421 Chestnut street. Owner, J. H. Reading, Jr., care of architect. Brick, 25x52 feet; wing, 25x25 feet. Electric lighting, hot air heating, shingle roof. Plans in progress.

**Hospital (add.)**, Susquehanna avenue and Howard street. Architects, Watson & Huckel, 1211 Walnut street. Owners, Kensington Hospital for Women. Brick, concrete, fireproof, four stories, 30x87 feet. Electric lighting, steam heating, slate roof. Plans in progress.

**Factory**, Margaret and James streets. Architects, Stearns & Castor, Stephen Girard Building. Owners, Blumenthal Brothers, 1313 North Second street. Brick and concrete. Consists of group of buildings. Plans in progress.

**Office Building**, southeast corner of Sixth and Walnut streets, \$1,000,000. Architect, E. V. Seeler, Real Estate Trust Building. Owner, Penn Mutual Life Insurance Company, 925 Chestnut street. Brick, stone and steel, fireproof. Details not decided. Plans about to be started.

**Theatre and Office Building**, Fifty-second, north of Market street. Architect, J. I. Bright, Seventeenth and Chestnut streets. Owners, West End Realty Company, care of Samuel Wheeler, Fifty-second and Sansom streets. Brick, fireproof, terra cotta, one and four stories, 80x110 feet. Slag roof, electric lighting, steam heating. Plans in progress.

**Station E**, Twenty-first and Ranstead streets. Architect, J. T. Windrim, Commonwealth Building. Owners, Philadelphia Electric Company, Tenth and Chestnut streets. Brick, one story, limestone, slag roof. Architect taking bids, due June 21st. The following are figuring: Roydhouse-Arey Company, Fidelity Building; J. R. Wiggins & Co., Heed Building; Charles McCaul Company, Tenth and Sansom streets; B. Ketcham's Sons, 1029 Brown street; Charles Gilpin, Harrison Building.

**Operation of Residences**, York, Pa. Architect, E. Allen Wilson, 1208 Chestnut street. Owner, Adam Smyser, York, Pa. Brick, three stories. Plans in progress.

**Central Heating Plant**, Cresson, Pa. Architect, private plans. Owner, State of Pennsylvania, care of Dr. Samuel G. Dixon, 1900 Race street. Consists of complete mechanical equipment. Owners taking bids, due noon June 29th.

**Hydro-Therapeutic Building**, Norristown, Pa. Architects, Baker & Dallett, 1629 Chestnut street. Owner, State Hospital for Insane, Richard Markley (Steward), Norristown, Pa. Brick, two stories. Owner taking bids on materials, due June 26th, 10 A. M.

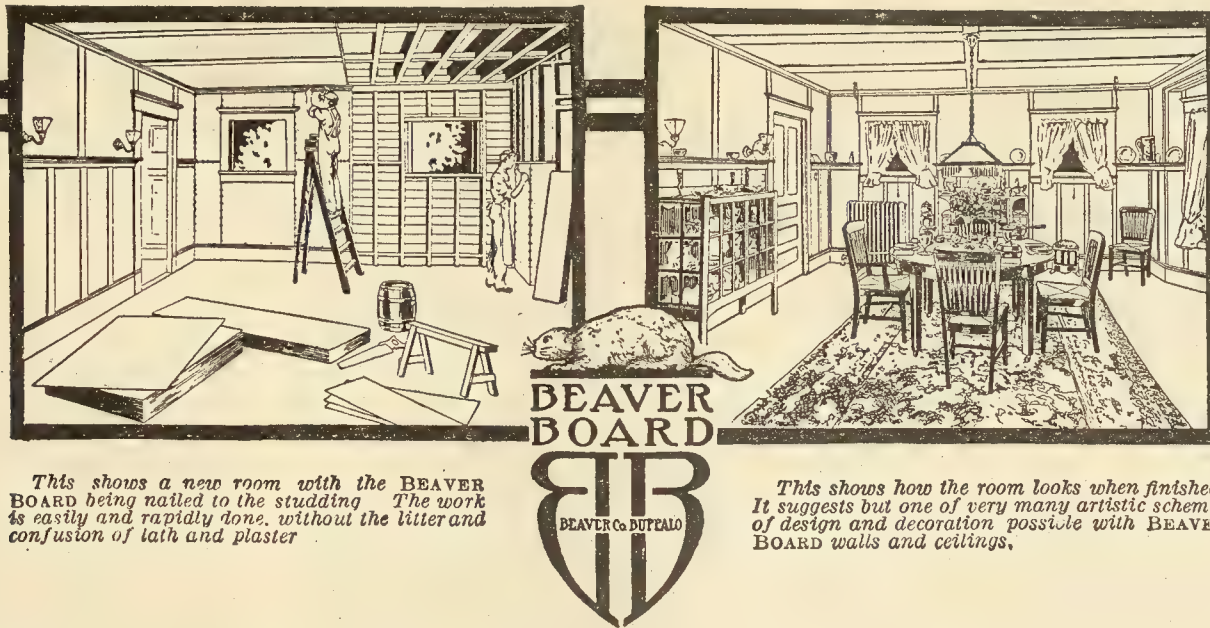
**Moving Picture Theatre and Store**, Easton, Pa. Architect, B. Rush Stevens, 1727 Filbert street. Owner, Pomfred Estate, Easton, Pa. Brick, concrete, fireproof, one story, 93x170 feet. Electric lighting, steam heating, slag roof. Plans in progress.

**Residence**, Wynnefield, Pa., \$18,000. Architect, E. A. Wilson, 1208 Chestnut street. Owner, H. H. Hall, care of Hall Brothers & Wood, Fifty-fourth and Lancaster avenue. Stone and plaster, three stories, 49x60 feet. Electric lighting, hot water heating, hardwood floor. Owner taking bids, due June 22nd. J. S. Cornell & Son, Land Title Building, are figuring.

**Residence**, Ocean City, N. J. Architects, Peuckert & Wunder, 310 Chestnut street. Owner, Peter P. Liebert, Green lane and Manayunk street. Frame, three stories, shingle roof, electric lighting, 45x55 feet. Architects taking bids, due June 21st. The following are figuring: George Hogg, 1634 Sansom street; William H. Eddleman, 453 Green lane; O. M. Townsend, Ocean City, N. J.; J. Champion, Ocean City, N. J.; Barber & Marts, Ocean City, N. J.; English & Johnson, Ocean City, N. J.

**Theatre**, Fifty-second street, north of Market street. Architect, J. I. Bright, Seventeenth and Chestnut streets. Owners, West End Realty Company, care of Samuel Wheeler, Fifty-second and Sansom streets. Brick,





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fireproof, terra cotta, one story, 80x100 feet. Slag roof, electric lighting, steam heating. Architect taking bids, due June 26th. The following are figuring: Doak & Co., 1420 Chestnut street; Charles Gilpin, Harrison Building; H. L. Brown, 1714 Sansom street; H. E. Baton, Tenth and Sansom streets; E. F. Fonder, Land Title Building; Sax & Abbott, Hale Building; W. E. Dotts & Co., 148 North Second street.

**Parrish House**, Chelton and Stenton avenues. Architect, private plans. Owners, Methodist Episcopal Church, on premises. Brick and stone, three stories, electric lighting, steam heating, slate roof. Owners taking bids, due June 19th. F. A. Havens & Co., 845 North Nineteenth street, is figuring.

**Bank**, Hershey, Pa. Architect, C. E. Urban, Lancaster, Pa. Owner, Hershey Trust Company. Marble, stone and granite, fireproof, two stories, 71x68 feet. Slag roof, electric lighting. Architect taking bids, due June 24th. H. L. Brown, 1714 Sansom street, is taking bids.

**Hall** (alt. and add.), 920 South Eighth street. Architect, S. Sagramoso, 1009 South Eighth street. Owner, Beneficency Hall, on premises. Brick, granite and marble trimmings, three stories, tin roof, electric lighting, steam heating. Architect taking bids, due June 22nd. William R. Dougherty, 1610 Sansom street, is figuring.

**Building**, 123 South Thirteenth street. Architects, Stuckert & Sloan, Crozer Building. Owner, S. J. M. Brock, agent, Franklin Bank Building. Brick, three and one-half stories, 16x92 feet. Slag roof, electric lighting, steam heating. Plans in progress.

**Residences** (8), East Rittenhouse street, Germantown. Architects, Mellor & Meigs, Lafayette Building. Owners, Octavia Hill

Association, 613 Lombard street. Brick, two stories, 15x41 feet. Slag roof, electric lighting. Owners taking bids, due June 21st. The following are figuring: William C. Wright, 22 Harvey street, and William J. Gruhler, 219 Hight street.

**Residence** (alt. and add.), 2040 Locust street. Architects, Baker & Dallett, 1629 Chestnut street. Owner, J. C. Wallace, 2133 Walnut street. Architects taking bids, due June 24th. The following are figuring: J. P. Thompson, 1432 South Penn Square; B. P. Evans, Thirteenth and Wallace streets; Doak & Co., Crozer Building; Bowers & Logan, 2010 Chancellor street; J. Myers & Son, Witherpoon Building; Mitchell Brothers, 2125 Race street.

**Garage**, 1131 Cherry street. Architects, Furness & Evans Co., Provident Life Building. Owners, R. R. Bringham & Co., 38 North Eleventh street. Brick, cement, steel, fireproof, three stories, 18x30 feet. Electric lighting, slag roof. Architects taking bids, due June 21st. The following are figuring: A. Whitehead, 1624 Latimer street; C. H. Spruce, Walnut lane; Ed. Atkins, 1221 Arch street; J. Burd, 213 North Eleventh street; H. C. Rea, 1021 Wood street; Stewart Bros., 2425 Orkney street; J. Myers & Son, Witherpoon Building; William R. Dougherty, 1610 Sansom street.

**Home Group of Buildings**, Bala, Pa. Architects, Harris & Richards, Drexel Building. Owners, Presbyterian Home for Aged Couples, Bala, Pa. Stone, steel, fireproof, limestone trimmings, one, two and four stories, electric lighting, slate roof, steam heating. Architects taking bids, due June 26th. The following are figuring: H. E. Grau Co., 1707 Sansom street; F. Elvidge & Son, 5522 Germantown avenue; George & Borst, 277 South

Eleventh street; Cramp & Co., Denckla Building; J. E. & A. L. Pennock, Land Title Building; H. H. Burrell, 1208 Chancellor street; A. R. Raff, 1635 Thompson street; R. J. White-side & Son, 2115 Wallace street.

**Post Office**, Chester, Pa. (remodeling). Architect, J. Knox Taylor, Washington, D. C. Owners, United State Government, Treasury Department. Washington, D. C. Brick and stone, fireproof floors, two stories, slate roof, steam heating, electric lighting. Owners taking bids, due June 27th, 3 P. M. The complete

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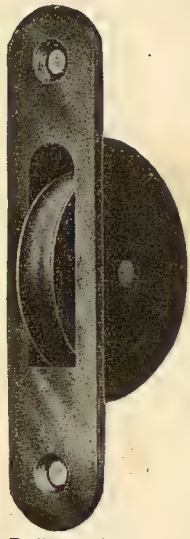
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list of bidders is as follows: Burd P. Evans, Thirteenth and Wallace streets; D. T. McCarthy, 411 Walnut street; P. J. Hurley, 1233 Cherry street; J. E. & A. L. Pennoek, Land Title Building; H. L. Brown, 1714 Sansom street; Cramp & Co., Denckla Building; J. W. Emery, 1524 Sansom street.

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## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Residence** (alt. and add.), Merion, Pa. Architects, Heacock & Hokanson, Bailey Building. Owner, E. B. Wilford, on premises. Stone, two and one-half stories, electric lighting, slate roof. Contract awarded to F. B. Davis, 37 South Seventeenth street.

**Residence**, Enfield, Pa., \$18,000. Architect, Thomas, Churchman & Molitor, 1309 Walnut street. Owner, W. A. M. Fuller, Chestnut Hill, Philadelphia. Stone, three stories, 38x69 feet. Hot water heating, electric lighting, shingle roof, hardwood floors. Contract awarded to Metzger & Wells, Heed Building.

**Church** (alt. and add.), Hancock and York street. Architect, private plans. Owners, Alpha Baptist Church, on premises. Brick, one story, slag roof. Contract awarded to T. C. Trafford, 1613 Sansom street.

**Store** (alt. and add.), 306 Market street. \$4,000. Architect, private plans. Owner, David Kerschbaum, 306 Market street. Brick, steam heat, electric light. Contract awarded to Stacey Reeves & Son, 1611 Filbert street.

**Dining Room** (add.), Swarthmore, Pa. Architects, Bunting & Shrigley, 603 Chestnut street. Owner, Swarthmore College, Swarthmore, Pa. Consists of alterations and additions. Contract awarded to William Provost, Chester, Pa.

**Residence**, Cynwyd, Pa. Architect, Frank Seeburger, Pennsylvania Building. Owner, W. Sutherland, Bala, Pa. Stone and timber, two and one-half stories, shingle roof, hot water heat, electric light, hardwood floors. Contract awarded to Mowrer Bros., Merion, Pa.

**Residence** (alt. and add.), School House lane, Germantown. \$15,000. Architect, H. Trumbauer, Land Title Building. Owner, W. W. Wagner, on premises. Stone and plaster, three stories, limestone trimmings, hot air and hot water heat, electric light, shingle and slate roof, hardwood floors. Contract awarded to William R. Dougherty, 1610 Sansom street.

**Store** (alt. and add.), 1310 Arch street. Architect, C. E. Oelschlager, Harrison Building. Owner's name withheld. Brick, granite, four stories, tin roof (electric light and steam heat reserved). Contract awarded to E. J. Kreitzburg, 1345 Arch street.

**Residence**, St. Martins, Pa. Architects, Thomas, Churchman & Molitor, 1309 Walnut street. Owner, Samuel S. Logan, 345 Pelham road. Stone, two and one-half stories, 60x60 feet, shingle roof, steam heat, electric light, hardwood floors. Contract awarded to Alfred James, Bala, Pa.

**Residence**, Pitman, N. J. Architects, Simon & Bassett, 1118 Chestnut street. Owner, Joseph Ropp, care of architect. Stone, two and one-half stories, 40x34 feet, slate roof, electric light, hot water heat, hardwood floors. Contract awarded to W. A. Lacey, Richwood, N. J.

**Offices** (alt. and add.), 240 South Fourth street. Architects, Stewardson & Page, 320 Walnut street. Owners, Mutual Assurance Company, 526 Walnut street. Brick, five stories, electric light. Contract awarded to Frank E. Wallace, 1210 Sansom street.

**Residence** (alt. and add.), 806 South Forty-ninth street. Architect, private plans. Owner, Edwin Hall, 806 South Forty-ninth street. Brick and stone, three stories, electric light. Contract awarded to Alex. Chambley, 243 S. Tenth street.

**Residences** (4), Radnor, Pa. Architect, Jacob Naschold, 723 Walnut street. Owner, Mary J. Chew and N. M. Brown, Radnor, Pa. Stone and frame, two and one-half stories, 26x35 feet, shingle roof, electric light, hot water heating. Contract awarded to J. F. McCloskey, 210 New street.

**Church**, Williams street, Scranton, Pa. Architects, Ballinger & Perrot, 1211 Arch street. Owner, Roman Catholic Church of the Holy Rosary, for Rev. N. J. McManus. Granite, one story and basement, 109x71 feet, nave, 49x32 feet, marble, slate roof, electric light, steam heat. Contract awarded to Woelkers & Co., Scranton, Pa.

**Building** (alt. and add.), 520-22 South Ninth street. Star Saving Bank. Architect, Mantle Fielding, 518 Walnut street. Owner's name withheld. Brick, four stories, tin roof (electric light, steam heat reserved). Contract awarded to William J. Grubler, 219 High street, Germantown.

**Club House** (alt.), Twelfth and Chancellor streets. Architect, L. V. Boyd, Harrison Building. Owners, Business and Professional Mens' Club, on premises. Consists of new Grill Room. Contrast awarded MacTavish & Hazzard, 1513 Pine street.

**Church** (add.), Mt. Airy, Philadelphia. \$30,000. Architect, J. Naschold, 723 Walnut street. Owners, Mt. Airy M. E. Church, Mt. Airy, Philadelphia. Stone, one story, 61x69 feet, electric light, steam heat, slag roof. Contract awarded to W. F. Baldwin, 2116 Estaugh street.

**Residence**, Chestnut Hill, Philadelphia. Architect, Horace Trumbauer, Land Title Building. Owner, Samuel A. Seipt, 2035 Atlantic avenue. Brick and plaster, two and one-half stories, 30x31 feet, shingle roof, hot air heat, electric light. Contract awarded to Samuel Harting, 20 East Johnson street.

**Building** (add.), Seventh and Walnut sts. \$1,250,000. Architects, Frank C. Roberts & Co., Engineer; E. V. Seeler, architect, Real Estate Building. Owners, Curtis Publishing Company, Seventh and Walnut streets. Brick, steel, fireproof, 150x235 feet, stone, slag roof, electric light. Contract awarded to Doyle & Co., 1519 Sansom street.

**Bakery**, 161 West Price street, Germantown. Architect, private plans. Owner, G. Marchl, on premises. Brick, two stories, 39x64 feet, slag roof, electric light. Contract awarded to Gaffney & Co., 130 North Twelfth street.

**Stores** (alt. and add.), 1728 Chestnut street. Architect, F. K. Keisker, Perry Building. Owner, A. Martin, 128 South Eleventh street. Brick, limestone, four stories, tin roof, electric light, hot water heat, hardwood floors. Contract awarded to A. Whitehead, 1624 Latimer street.

**Convent** (alt. and add.), Eighteenth and Wood streets. Architects, E. F. Durang & Son, Twelfth and Chestnut streets. Owners, Cathedral Convent, Eighteenth and Wood sts. Brick, concrete, three stories. Contract awarded to William J. McShane, 417 South Thirtieth street.

**Building**, Broad and Columbia avenue. \$45,000. Architects, E. F. Durang & Son, Twelfth and Chestnut streets. Owners, Convent of the Sisters of Mercy, on premises. Brick, two stories, 35x120 feet, hall, laundry and class rooms, electric light, steam heat. Contract awarded to John McShain, 631 North Seventeenth street.



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**Gymnasium (alt. and add.),** Frankford, Pa. Architect, Walter Smedley, Stephen Girard Building. Owners, Friends' Asylum, Frankford, Pa. Stone, two stories, slate roof (electric light, steam heat reserved). Contract awarded to J. F. Davies, 1202 Chestnut street.

**Nurses Homes (add.),** Thirty-fourth and Spruce streets. \$27,000. Owners, University Hospital, on premises. Brick, four stories, electric light, steam heat, slag roof. Contract awarded to Frank J. Treston, 2243 Twenty-second street.

**Parish House (add.),** Broad and Jefferson streets. Architects, Watson & Huckel, 1211 Walnut street. Owners, Protestant Episcopal Church of the Incarnation, on premises. Brick, stone, three stories, slate roof, electric light,

steam heat. Contract awarded to T. Little & Sons, 1615 Sansom street.

**Residence, Noble, Pa.** \$8,000. Architects, Durham Bros., Heed Building. Owner, Chas. F. Dannenhauer, 4201 Germantown avenue. Stone, two and one-half stories, 35x60 feet, slate roof, hot water heat, hardwood floors, electric light. Contract awarded to N. M. Bean, 4411 Germantown avenue, who is taking sub-bids.

**Bank Building (add.),** Second and Chestnut streets, \$125,000. Architect, Horace Trumbauer, Land Title Building. Owner, Corn Exchange National Bank, on premises. Brick, limestone, granite, terra cotta, four stories, 45x76 feet. Tile and copper roof, steam heating, electric lighting, elevator. Contract awarded to Cramp & Co., Denekla Building.

## Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

**Sheiler Hempshler (O),** 811 Fairmount avenue. **Burd P. Evans (C),** Thirteenth and Wallace streets. Cost, \$8,600. Factory, two stories, 24x92 feet, brick, 811 Fairmount avenue.

**J. L. Wiza (O),** East Thompson street. **T. Pacan (C),** 4512 Salmon street. Cost, \$15,950. Eleven dwellings, brick, two stories, 14x40 feet. Almond and Orthodox streets.

**Frankford Lithuanian (O),** Melrose and Margaret streets. **A. Johnsoo (C),** 4267 Salmon street. Cost, \$4,000. Club, brick, two stories, 20x50 feet, Melrose and Margaret streets.

**James Arthur (O),** 447 East Ontario street. Cost, \$12,500. Four dwellings, brick, two stories, 15x28 feet, Ontario and D. streets.

**Kahn & Greenburg (O),** Morris Building. **George Hogg (C),** 1634 Sansom street. Cost, \$6,000. Store and hall, brick, two stories, Broad and Windrim avenue.

**Louis Feldman (O),** 503 South Fourth st. **Gilman & Chalkin (C),** 7037 Hoffman street. Cost, \$9,000. Two dwellings, brick, three stories, 15x32 feet, Germantown and Master streets.

**Dr. G. M. De Vecchis (O),** 740 South Tenth street. **J. A. Wood (C),** 1406 Land Title Building. Cost, \$2,500. One dwelling, brick, three stories, 16x37 feet, 743 South Warnock street.

**H. P. Hartwig (O),** 7403 J street. Cost, \$3,200. Two dwellings, brick, two stories, 16x37 feet, 644-48 Lincoln Drive.

**W. S. Bauer (O),** 246 East Walnut Lane. Cost, \$16,000. Two dwellings, stone, three stories, 35x38 feet, 644-48 Lincoln Drive. Cost, \$10,000. Two dwellings. Cost, \$2,000. One dwelling. Cost, \$10,000. Two dwellings. Cost, \$15,000. Two dwellings.

**Atlantic Refining Company (O),** Point Breeze, Philadelphia. Cost, \$80,000. Office building, brick, 150x93 feet, 3136 Passyunk avenue.

**Emanuel Presbyterian Church (O),** Forty-second and Girard avenue. **F. L. Hoover (C),**

**Builders' Exchange.** Cost, \$32,000. Church, one story, stone, 75x98 feet, Forty-second and Girard avenue.

**Mary A. Simpson M. E. Church (O),** care of architects, Ballinger & Perrot. **A. Whitehead (C),** 1624 Latimer street. Cost, \$18,000. Stone, one story, 50x86 feet, Sixty-first and Jefferson streets.

**H. Brocklehurst (O),** 512 West Norris street. Cost, \$20,000. Ten dwellings, brick, two stories, 15x30 feet, Medary and Fifteenth streets. Cost, \$20,000. Ten dwellings. Cost, \$20,000. Ten dwellings. Cost, \$5,000. Two stores and dwellings. Cost, \$6,000. Two stores and dwellings. Cost, \$20,000. Ten stores and dwellings. Cost, \$10,000. Four dwellings and stores.

**E. B. Newcomer (O),** 315 North Thirty-third street. **John F. Wolff (C),** 717 North Fortieth street. Cost, \$10,000. One dwelling, one and three stories, concrete and stone, 33x43 feet and 25x19 feet, Fifty-third and Wynnfield avenue.

**W. W. Wagner (O),** 133 Dock street. **William R. Dougherty (C),** 1610 Sansom street. Cost, \$15,000. Dwelling, School Lane and Gopsy street.

**National Assurance Company (O),** 526 Walnut street. **F. E. Wallace (C),** 1210 Sansom street. Cost, \$7,000. Dwelling, 240 South Fourth street.

**William Hamilton (O),** 217 Reed street. **H. C. Dohl (C),** 231 South Eighth street. Cost, \$1,500. Stable, 219 Reed street.

**F. C. Michaelson (O),** Land Title Building. Cost, \$15,600. Nine two-story brick dwellings, 14x40 feet, Sixty-sixth and Upland streets.

**William E. Rees (O),** 312 Betz Building. Cost, \$50,000. Apartments, three stories, 270x127 feet. Wayne avenue and Johnson street.

**Patrick Corr & Sons Company (O),** 2305-07-09 North Eighth street. **Harry Gill, Jr. (C),** 2200 Germantown avenue. Cost, \$5,500. Addition, concrete, 18x76 feet, 2309 North Eighth street.

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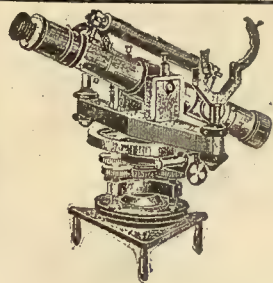
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Mrs. Mary Bohner (O), 628 Christian street. William Boshier (C), 5503 Thompson street. Cost, \$1,500. Stable, two, concrete, 39x41 feet, 628 Christian street.

Frankford Land Improvement Company (O), 4437 Frankford avenue. William M. France (C), 4437 Frankford avenue. Cost, \$20,300. Eight two-story brick dwellings, 15x31 feet, Forty-sixth and Oakland streets.

Brown & Leonard (O), 24 North Fifty-second street. Cost, \$15,000. One three-story

apartment, 38x95 feet, Fiftieth and Ludlow streets. One three-story apartment, 38x95 feet, Fiftieth and Ludlow streets.

H. S. Swope (O), 5106 Cedar street. Cost, \$2,500. Five dwellings, two stories, 14x27 feet, Eighty-fifth and East Hedge.

William Halkert (O), Clavidge below Bleigh street. William E. Strack (C), 7326 Second Street Pike. Cost, \$3,200. Two dwellings, two stories, stone, 14x39 feet, K and Bleigh streets.

V. Szablowska (O), 4628 Almond street. T. Parau (C), 4522 Salmon street. Cost, \$2,300. One dwelling, two stories, brick, 16x44 feet, Thompson and Le Fevre streets.

Antony Tasinski (O), Stiles and Margaret streets. R. Wolf (C), 2317 Somerset street. Cost, \$2,200. One dwelling, brick, two stories, 14x35 feet, Stiles and Margaret streets. Cost,

\$15,000. Ten dwellings, brick, two stories, Stiles and Margaret streets. Cost, \$400. Stable, two stories, W and Almond streets. Cost, \$2,200. One store and dwelling, Stiles and Margaret streets.

Eagle Ice Company (O), 4501 Girard avenue. M. F. Lambert (C), 3833 Spring Garden street. Cost, \$3,000. Stable, two stories, brick, 28x75 feet, Fifty-seventh and Hoffman streets.

Oehrle Bros. Company (O), 423-25 North Third street. William Steele & Sons (C), 1600 Arch street. Cost, \$23,000. Manufacturing, four stories, brick, 54x52 feet, 423-25 North Third street.

Laura Berkwire (O), 417 Martin street. W. E. Eddleman (C), 453 Green Lane. Cost, \$3,800. Dwelling, brick, 29x46 feet, two stories, Ridge and Wizard avenues.

## Alterations and Additions

W. C. Kirk & Co. (O), Thirtieth and Chestnut streets. Alex. Ray & Co. (C), Bainbridge street wharf and Schuylkill avenue. Cost, \$4,500. Cold storage, Thirtieth and Chestnut streets.

David Kirschbaum (O), Broad and Carpenter streets. Stacey Reeves & Sons (C), 1611 Filbert street. Cost, \$4,000. Store, 406 Market street.

C. P. Mankin (O), Willow Grove avenue. Cost, \$450. Dwelling, 8004 Germantown avenue.

A. Leroy (O), 925 Chestnut street. E. J. Kreitzburg (C), 1305 Arch street. Cost, \$5,000. Store, 1310 Arch street.

Jewish Hospital (O), Old York road. William R. Dougherty (C), 1610 Sansom street. Cost, \$600. Hospital, Old York road.

George Market (O), 1104 Arch street. Koelle, Speth & Co. (C), Twenty-sixth and Oxford streets. Cost, \$2,500. Store and dwelling, 1104 Arch street.

Baxter, Kelly & Faust (O), C and Tioga streets. Stewart Dalton (C), 2216 Ridge avenue. Cost, \$500. Power house, C and Tioga streets.

Abel Bottoms (O), 41 South Fifteenth street. Cost, \$500. Dwelling, 221 South Thirti-seventh street.

T. T. Rockett (O), 629 North Nineteenth street. Cost, \$1,000. Store and office, 631 North Nineteenth street.

Morris Orolowitz (O), 844 Christian street. M. Kirschner (C), 421 Snyder avenue. Cost, \$2,400. Store and dwelling, 844 Christian street.

T. E. Johnson Company (O), 1307 South Fifty-second street. Cost, \$2,000. Store and apartments, 1322-24 South Fifty-second street. Cost, \$3,000. Store and dwelling, 1316-20-22 South Fifty-second street.

W. Wood (O), 6325 Lancaster avenue. S. Faith Company (C), Philadelphia. Cost, \$400. Garage, 6325 Lancaster avenue.

M. K. Harr (O), 4213 Chester avenue. A. Chambley (C), 243 South Tenth street. Cost, \$11,000. Residence, 4213 Chester avenue.

Rev. J. F. Fisher (A), Thirteenth and Chestnut streets. M. L. Conneen Co. (C), 315 South Twentieth street. Cost, \$7,500. Nursery, 1216 Vine street.

H. M. Pedrick (O), 302 South Fifty-second street. Cost, \$1,500. Dwelling, 6181 Jefferson street.

H. R. Rust (O), 724 Ludlow street. Cost, \$4,000. Offices, 23 North Eleventh street.

Point Breeze Park (O), Twenty-fifth and Penrose Ferry road. Cost, \$1,500. Gallery, Twenty-fifth and Penrose Ferry road.

Dr. William Whetstone (O), 4820 Chester avenue. G. C. Lyon (C), 631 South Forty-second street. Cost, \$700. Office, 4820 Chester avenue.

B. Voldowskey (O), 1906 South Sixth street. A. Winer (C), 2313 South Seventh street. Cost, \$1,000. Dwelling, 1906 South Sixth street.

J. S. Jones Company (O), Germantown, Philadelphia. C. M. Wells (C), Rutledge, Pa. Cost, \$15,000. Store, Germantown, Philadelphia.

Alvasint National Company (O), Philadelphia. H. R. Hennicke, Inc. (C), Drexel Building. Cost, \$1,086. Concrete chimney, Eadon and James streets.

Antonio Sindoni (O), 810 South Darien st. G. Ginliano (C), 1209 South Ninth street. Cost, \$1,350. Store, 833 Catharine street.

Excelsior Laundry Company (O), Nineteenth and Montgomery avenue. S. B. McDowell & Son (C), 1927 Montgomery avenue. Cost, \$1,132. Engine room, 1817 West Montgomery avenue.

John Bailey Company (O), Front and Morris streets. H. R. Hennicke (C), Drexel Building. Cost, \$2,536. Alterations, Morris and Delaware avenue.

Powers, Weightman & Rosengarten (O), Ninth and Parrish streets. Cost, \$1,000. Garage, Ninth and Parrish streets.

St. Mark's Church (O), 1625 Locust street. A. H. Williams (C), 419 Locust street. Cost, \$4,200. Rectory, 1625 Locust street.

C. Krantz (O), 520 Pike street. W. Bogerpolsk (C), 1723 South Fourth street. Cost, \$500. Store and dwelling.

Estate of John Daly (deceased) (O). F. J. Smith (C), 1124 Brandywine street. Cost, \$800. Dwelling, 1836 East Passyunk avenue.

B. Beeman (O), 1963 North Thirty-first street. M. Krourtz (C), 624 Tasker street. Cost, \$600. Store and dwelling, 1963 North Thirty-first street.

George Shelleross (O), Frankford. C. H. Weiss (C), 9512 Bustleton Pike. Cost, \$1,900. Frame shed, Bustleton and Catmar avenue.

Sulzbarger Sons Company (O), 148 North Delaware avenue. The Joseph Burd Company (C), 213 North Eleventh street. Cost, \$900. Storage, 837 Callowhill street.

M. A. Rowe (O), 2823 Kirkbride street. J.

(Continued on page 409)



## Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

\*\*Leonard C. Wason, president of the Aberthaw Construction Company, states that in his opinion five per cent. taken out of the proper cost of a concrete building decreases its value one-half.

\*\*Only 35 per cent. of the cost of food in New York City reverts to the farmer. The rest goes to the transportation lines, the commission men and the retailer. Evidence gathered by the New York Food Investigation Commission is to this effect.

\*\*Government figures show a big falling off in the imports to this country of Portland cement, and a marked increase in export trade. The imports in 1907 amounted to 1,123,763,604 pounds and in 1911 had fallen to 93,297,749 pounds. The exports in 1900 amounted to 76,085 barrels (of 380 pounds) and in 1911 to 2,971,474 barrels. The early months of this year show a further marked increase.

\*\*Horace Anderson, assistant secretary of the Title Guarantee and Trust Company, of New York, has figured out that the vacation allowed by his company to its employees each summer totals up the surprising sum of sixty years. The company has in its employ about 1,300 people.

\*\*Action was taken at the meeting of the National Association of Jobbers of Plumbing Supplies at Atlantic City last month, providing for the consolidation of the National Association of Jobbers of Wrought Iron Pipe and Fittings and the National Association of Jobbers of Plumbing Supplies. The new organization will be known as the National Pipe and Supplies Association. It is proposed to make the next convention, which will be held in Chicago, a three-day meeting, with separate days for the interests of the pipe men, the steam goods dealers and the plumbing supply men. Special committees have been appointed by each association to arrange the details of the amalgamation. The new organization will have a president, two vice-presidents, treasurer and executive committee composed of the officers and four representatives from each industry.

\*\*After a more or less sensational career, the Seaboard Portland Cement Company's

plant at Alsen, is to be sold. On June 28, at the court house in the village of Catskill, Special Master Bradford Butler, of New York City, will sell all of the property, real and personal, of the company to the highest bidder. That there will be a bidder—possibly several of them—there is little doubt. And, while the history of the Seaboard Portland Cement plant at Alsen has been one of prolonged trouble, with law suits, cross suits, counter suits, receiverships and finally bankruptcy proceedings, the best advice is to the effect that this last proceeding has been to enable somebody to obtain a clear title to the property, that it may be placed in operation and made to do the work for which it was intended. The entire property will be bid off in one parcel, which favors the idea that somebody is going to bid who has an idea of continuing—or rather commencing the manufacture of cement.

\*\*The Chamberlin Metal Weather Strip Company, Detroit, Mich., has moved its New York City branch to new quarters at Fourth avenue and Thirty-first street. The company has opened a branch office in Des Moines, Iowa, under the management of H. W. Reed.

\*\*The McClintic-Marshall Construction Company, bridge builders, have leased new offices in the south wing of the new Woolworth Building, New York City, on the fifteenth floor.

\*\*A special bulletin has been issued by the International Association for Testing Materials, announcing the details of its forthcoming sixth congress, to be held September 2-7, 1912, in the Engineering Societies Building, New York. The proceedings of the congress will be conducted in English, German and French, with the aid of competent interpreters. Secretary Reitler states that over 150 reports and papers are in hand or promised. About thirty-five American papers are included in the list. An elaborate program of excursions is being arranged in connection with the congress, including trips to important points in New York and vicinity, and special excursions, largely for the benefit of the foreign visitors, to Atlantic City, Washington, Pittsburgh, Gary, Ill., and Buffalo.



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\*\*Nelson P. Lewis, chief engineer of the Board of Estimate of the City of New York, has been chosen vice-chairman of the new executive committee of the National City Planning Conference, which held its fourth annual meeting at Boston recently. The chairman is Frederic Law Olmsted, of Brookline, Mass. Among the sixteen members of the executive committee are George B. Ford, E. P. Goodrich, Henry C. Wright, Lawrence Veiller, Lawson Purdy and Frederic C. Howe, all of New York. Under the new organization a general committee of fifty has also been appointed, with thirty-five cities and towns represented thereon. Lawson Purdy presided at the second session of the conference, at which Nelson P. Lewis read a paper on "Paying the Bills for City Improvements." Mr. Lewis presided at the third session, when "City Planning Studies" was the subject of discussion. Frederic C. Howe, of New York, president of the People's Institute, presided at the fourth session, and Lawrence Veiller at the fifth, when the German "Zoning" principle was under consideration.

\*\*The fifth National Convention of the Building Owners and Managers' Association will be held in Seattle July 11, 12, 13. Arrangements have been made for a special train over the Burlington and Northern Pacific, leaving Chicago on the night of July 5, at 10.15, making several stops at interesting points on the way. Three Chicago managers, Messrs. J. Ellsworth Randell, manager of the Continental Commercial Building; T. C. Bainbridge, Marquette Building, and George Hillis, Hartford Building, compose the transportation committee. Among the speakers will be Reginald Pelham Bolton, of New York, on "Depreciation in Comparison with Rising Land Value;" S. G. Webb, of New York, on "Par-

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titions: An Analysis of Their Comparative Efficiency;" J. H. Savage, of San Antonio, Texas, on "Procuring Tenants for a New Building;" L. R. Christie, of Chicago, on "Mistakes to Avoid in Building;" A. J. Lormor, of Vancouver, on "Office Buildings and Apartment Houses of Canada;" Charles R. Cunningham, of Pittsburgh, on "Building Construction and Equipment for Economical Maintenance;" W. H. H. Cramer, of Denver, on "The Towel Supply and Other Conces-

sions;" J. A. Martin, of Spokane, on "Erecting and Maintaining Elevators;" Howard L. Loomis, of Omaha, on "Remodeling an Old Building;" Edmund Burke, of Chicago, on "Does Heating Your Buildings to Meet the Tenants' Requirements Prove Profitable to Your Investment?" J. H. Forbrich, Peoria, on "Solving the Lighting Problem to Satisfy the Tenant Without Loss to the Building;" E. S. Hughes, Minneapolis, "Efficiency Service in a Building."

\*\*The McCrum-Howell Company receivers have made a preliminary report of the financial condition of the company, showing assets, including patents, rights, good will, etc., amounting to \$2,662,957, of which \$25,920 is cash, \$650,607 accounts receivable, and \$668,577 inventories. The plants and investments are placed at \$1,181,007. Liabilities, including bills payable, claims of merchandise creditors amount to \$2,250,663. Manufacturing instructions were issued by the receivers on April 23 to the boiler, radiator and enamelware plants at Norwich, Conn., and Uniontown, Pa., to resume full capacity as the receivers, it was stated, had in hand a full volume of orders.

\*\*Advertising as the vital question confronting furnace manufacturers in furthering the cause of scientific warm air furnace heating was the keynote of the fifth annual convention of the Federal Furnace League, held in Detroit, May 6. The method of conducting

such a campaign with a view of bringing home to the consumer the advantages of warm air furnace heating when properly designed and installed was described at length by Howard A. Studley, of the Frank Presbrey Advertising Company. The report of the secretary and engineer, Dr. William F. Colbert, was an exhaustive summary of the work done by the league during the year and contained also many suggestions as a basis for future efforts. Officers were elected for the ensuing year as follows: President, Frank Mixer, Rock Island Stove Company, Rock Island, Ill.; vice-president, George A. Munson, Munson Heater Company, Connellsville, Pa.; secretary-treasurer, Dr. William F. Colbert, Philadelphia. Executive committee: George H. Langenberg, Haynes-Langenberg Manufacturing Company, St. Louis, Mo.; J. A. Howard, Est. P. D. Beckwith, Dowagiac, Mich.; R. H. Bradley, Kelsey Heating Company, Syracuse, N. Y.; W. P. Cooke, Monroe Foundry and Furnace Company, Monroe, Mich., and A. C. Mott, Abram Cox Stove Company, Philadelphia, Pa. Dr. William F. Colbert was reappointed engineer for the league at a salary of \$300 per month.

\*\*Superintendent of Public Schools Martin G. Prumbaugh, of Philadelphia, has announced that, in future, plans for school buildings will provide for additional space per pupil. Statistics compiled by the Philadelphia Board of Education show that of the more than 350 school buildings, there are about 168 which fall short of the standard requirements of 30 square feet of floor space to each pupil. In some cases it has been shown that the space per pupil is less than one square foot.

\*\*The University of Wisconsin, Madison, Wis., announces the opening, on June 24, of the twelfth annual six weeks' summer school of the College of Engineering. Courses of instruction and laboratory practice are offered in electrical, hydraulic, steam and gas engineering, mechanical drawing, applied mechanics, testing of materials, machine design, etc. A bulletin containing particulars may be had from F. E. Turneure, of the university.

\*\*The annual meeting of the stockholders of the Cement Products Exhibition Company was held at the offices of the company, 72 West Adams street, Chicago, May 14. The routine business transacted consisted of the reading of the report of the treasurer and the election of new directors and officers. The treasurer's report showed that the expenses of conducting the New York, Chicago and Kansas City Cement Shows were \$77,789.28, while the total receipts were \$78,729.52, leaving a surplus on the year's operations of \$940.24. By vote of the directors, it was decided to expend this surplus on future Cement Shows. Directors for the ensuing year were elected as follows: Edward M. Hagar, president Universal Portland Cement Company; Norman D. Fraser, president Chicago Portland Cement Company; D. McCool, president Newaygo Portland Cement Company; J. W. Shove, secretary Peninsular Portland Cement Company; W. E. Cobean, salesmanager Wol-



verine Portland Cement Company; B. F. Affleck, general sales agent Universal Portland Cement Company; George S. Bartlett, Universal Portland Cement Company; J. P. Beck, manager publicity bureau Universal Portland Cement Company. These elected the following officers: President, Edward M. Hagar; vice-president, B. F. Affleck; secretary-treasurer, J. P. Beck. Sentiments were expressed by the directors favoring the continuance of the cement shows, the feeling being unanimous that the cement exhibitions which have been held in the past have contributed a great deal to the advancement of the industry in advertising cement, cement

products and cement machinery, and increasing the use of concrete. It was decided to hold the sixth annual Chicago Cement Show in the Coliseum January 16-23, 1913, but to hold no shows in New York and Kansas City. It is possible that another exhibition will be held at some other point, although nothing was definitely decided upon.

\*\*Beard & Beard, Reading, Pa., announce that they are now the sole manufacturers and distributors of the line of Sunshine steam and hot water boilers, formerly manufactured by Orr, Painter & Co. S. H. Beard was long identified with the manufacture of the Sunshine line.

"Another example of the pernicious practice of incorporating general legislation in general appropriation bills is found in an amendment to the sundry civil appropriation, recently reported to the House, repealing what is known as the Tarsney act. This is a law, passed about fifteen years ago, empowering the Secretary of the Treasury at his discretion to obtain plans in competition from architects in private practice for public buildings erected by the Treasury Department. As a large majority of Federal Government buildings come under the jurisdiction of that department the importance of this permission was very great, and the effect of the legislation has been to bring about a great improvement in the architectural design of our public buildings.

"When the Supervising Architect of the Treasury was the sole authority in such matters there was a painful monotony and lack of individual quality in the buildings erected by the United States—to put the matter in the kindest and mildest form—and this was the natural product of bureaucratic methods. Since the passage of the Tarsney act, however, the transformation in style and quality has been very remarkable, the New York Custom House and some of the more recent post offices illustrating the advantage of drawing upon the architectural talent of the country at large and of utilizing the personal attention of experts familiar with local conditions and inspired by progressive ideas and methods.

"The repeal of the Tarsney act does not appear to have been asked for by the Treasury Department, nor urged by any public body, and the prospect of a return to the system of designing public buildings 'by the yard,' with much more than a prospect of a return to a stereotyped and unworthy form of architectural design, should arouse an emphatic protest from the people of the United States. The American Institute of Architects is naturally arrayed against the change, for, entirely apart from the injustice of excluding its members as a professional class from the wider opportunities of Government service, the proposed repeal is a backward step making for the deterioration of architectural taste. The question at issue is entirely too important to be the subject of a mere 'rider' to an appropriation bill, and should not be decided until after full discussion and a public hearing upon its merits."

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## Architectural Notes

The Housing Commission is working from the social point of view and is endeavoring to make known the health standards to be maintained in all new work so as to avoid the mistakes of the past that have arisen because the importance of hygiene as a preventive agency had not been appreciated. American cities are accepting standards of light, ventilation and sanitation as of equal importance as structural safety, and these are being embodied in modernized building laws. Thus organized, the Committee will call together a group of experts who can see all sides of a building code and be able to give advice that cannot help but be of service to the State Building Commission. They will be a sort of clearing house for ideas that otherwise would be sent to the Commission, and will create on the one hand a better understanding of the difficulties of the practical builder by the Housing Commission and insurance people, and, on the other of the purposes of the Commission and the underwriters by the practical builder, and thus avoid any possible differences of opinion over the adoption of the code.

\* \* \*

As a result of the skill with which he handled this important Commission, Mr. Wenderoth was made manager for Carrere & Hastings, with whom he has since been associated. Architects of the highest standing in every section of the country express themselves as delighted with Mr. Wenderoth's appointment.

\* \* \*

In addition to the committee of eleven just recently created and in an effort to still further unite all those interested in and working off a better codification of the State building laws, D. Knickerbacker Boyd, Chairman of the Joint Committee of Architects, Builders and Real Estate Brokers, has decided to request the committee to add to its membership representatives from the Fire and Life Underwriters' Associations and from the Philadelphia Housing Commission. These latter organizations have a strong interest in the question of building construction. The

Fire Underwriters from a business point of view are interested in securing safety from fire, and the Life Insurance Underwriters, especially those that write health and industrial policies, are coming to see the importance of light, ventilation and sanitation in dwellings as tending to maintain a high vitality among the people and consequently lower the risk of catching disease. Recent studies in factory and industrial life have shown greater control of the nerve and a smaller percentage of people hurt or sick among those living in good homes.

\* \* \*

Oscar Wenderoth, of the firm of Carrere & Hastings, of New York, was selected by Secretary MacVeagh this week as supervising architect of the Treasury Department, to succeed James Knox Taylor, who resigned. Mr. Wenderoth was associated with Elliott Woods, Superintendent of the Capitol, in the construction of the Senate and House office buildings. He was connected with the supervising architect's office for six years. He will assume his duties on July 15.

\* \* \*

Mr. Wenderoth is a former Philadelphia, a graduate of the Central High School, and is well known to local architects. He was a member of the T-Square Club while a resident of Philadelphia, and was associated with the office of Mr. Albert Kelsey, now of Kelsey & Creb. Mr. Wenderoth won his first laurels some eight years ago, when under a civil service examination authorized by the Tarsney Act, he passed, in a competition with two hundred college men, with the highest honors. A result of this test was Mr. Wenderoth's appointment to be Senior Draughtsman in the office of the Supervising Architect. Carrere & Hastings, as architects for the Senate and House buildings, selected Mr. Wenderoth as superintendent, a position in which he jointly represented Carrere & Hastings and the Government.

\* \* \*

Under the caption "Federal Architectural Design," the "Public Ledger" says, editorially:



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PHILADELPHIA, PA., JUNE 19, 1912.

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Treasurer.....C. L. Borie, Jr.

# Editorial Comment

It affords "The Guide" the keenest gratification to be able to announce the appointment of Mr. Oscar Wenderoth, of New York City, to the post of Supervising Architect, made vacant by the resignation of Mr. James Knox Taylor. Mr. Wenderoth is a former Philadelphian, an attache for years of the staff of which he now becomes the official head and a particularly brilliant, able and conscientious practitioner. His association, training and experience has been such as to abundantly equip him for the important duties to which he will be assigned and his appointment one almost ideal, based as it is on merit exclusively. The strongest endorsement of the wisdom of Mr. Wenderoth's selection is to be found in the general chorus of approbation with which it has been received by the members of his profession. Not one discordant note is heard to mar the widespread acquiescence in his commanding fitness for the place. "The Guide" begs to tender Mr. Wenderoth its sincerest felicitations. We are sensible of a feeling of real relief at the prospect that the high morale of Mr. Taylor's regime is not to be let down or biased by considerations related to expediency in the hands of his successor. In offering our hearty congratulations to Mr. Wenderoth we want to congratulate not less warmly the Treasury Department of the United States as well as American architecture.

\* \* \*

"The Guide's" innocent little criticism of the action of the Chamber of Commerce of Boston in urging the passage of an act requiring sprinkler protection "in all buildings of the second class" has brought down upon the head of the editor an avalanche of indignation resembling that which is supposed to accompany the poking by a small boy of the nest of a colony of hornets. In a letter written us by Mr. Joseph J. Wernle, whom, as a brother Rotarian, we may not abuse, we are assured that we "don't keep abreast of up-to-date methods, have not read the numerous articles written by the leading fire protection engineers of the United States and England, have not taken the trouble to look up the statistics of the leading insurance companies who have recommended automatic sprinkler protection for the past twenty-five years," and are merely "displaying our ignorance of a subject that is attracting the attention of the leading engineers, architects and insurance men throughout the United States." Not only this, but we are also and in addition thereto accused of "impugning the motives of well meaning and progressive body of men who are far sighted enough to have laws passed to protect their city against any further danger from conflagrations."

And by way of administering the final swat soporific, we are admonished by Mr. Wernle to "brush the cobwebs from our eyes and study up the subject before criticizing men who are thoroughly conversant with fire protection and fire prevention."

After a careful reading of Mr. Wernle's letter we began to feel a whole lot like some absent-minded fellow who had been abruptly and somewhat unexpectedly jolted by a great big touring car busy tearing holes in the speed regulations. Suppose we go back over the offending editorial to which Mr. Wernle takes such violent exceptions and try to see wherein lies the lese majeste with which we stand accused. Said "The Guide:"

"We note that the Boston Chamber of Commerce has recommended the passage of an act requiring the equipment with automatic sprinklers of all second-class buildings in that city—buildings of the second-class being those of which the exterior only is non-combustible. With all due respect to the wisdom of so conservative a body as the Boston Chamber of Commerce, Massachusetts legislators will find it advisable to proceed with more than the usual amount of deliberation when they come to consider this apparently innocuous little suggestion. Sprinkler attachments, while excellent in their way are not yet applicable to every type of building. Their installation on the wholesale basis contemplated in this recommendation would prove expensive, burdensome and revolutionary to a degree little understood by the interests advancing the suggestion."

Will Mr. Wernle presume to contend that the sprinkler attachment is ornamental enough for general application—in offices, bank buildings, hotels, cafes, amusement places and apartment houses?

Again:

"In New York City last winter considerable damage was done as a result of the freezing up and consequent thawing of this sprinkler equipment. And under the water meter idea gaining headway in all of the larger Eastern cities, this sprinkler apparatus is going to mean greatly augmented water bills."

Several such cases,—cases of damage due to imperfect working of automatic sprinklers—were reported in the pages of the New York "Record" and "Guide," where they can be dug up and reprinted if Mr. Wernle is at all dubious regarding them.

Mr. Wernle says there is no charge for water used in extinguishing fires, inasmuch as both the fire underwriters and the municipal authorities will not permit connections for house purposes to be taken from the bonded connection on which a permit is issued for fire service only, but,—is Mr. Wernle in a position to guarantee a continuance of this arrangement after Director Cooke has succeeded in getting into operation his scheme for the installation of meters?

Once more:

"For the large industrial establishment handling combustible wares the sprinkler idea



is about as good as anything yet invented next to a properly organized system of fire prevention. For general application along the lines of the Boston Chamber of Commerce suggestion it is better in theory than it is ever likely to prove in practice."

Come, Mr. Wernle, what's wrong with this?

\* \* \*

Now for a few words in the explanatory vein for the special benefit of Brother Wernle and fire-protection interests generally. "The Guide" is not an organ of the insurance interests.

Nor is it an organ of the doctrinaires of fire-protection.

"The Guide" is an architectural and building publication interested primarily in advancing the artistic side of building design and construction.

For fire-retardant materials and fire-preventive appliances it has a commendatory word where these materials and appliances can be installed without detriment to certain fixed aesthetic standards.

In other words, when Mr. Wernle, or anybody else, proposes to subordinate everything in American building to the fire bugaboo, "The Guide" rises to protest.

Metal trim, concrete, automatic sprinklers, wire glass,—all the various and multifarious other gradations and regradations of fire fighting, while they may be excellent enough under given conditions, are no more generally applicable than are teakwood trim, Italian marble, stained glass and hanging tapestries.

Berlin is credited with having the smallest fire loss per capita in the world, yet they do not sit on metal furniture in the German capital nor is the automatic sprinkler in general use.

We're just a bit afraid that Mr. Wernle has permitted himself to become overheated. If Mr. Wernle will look up a shady spot and allow his temperature to cool down to the normal ninety-eight and three-fifths, he will discover that "The Guide" ventured to criticize not the automatic sprinkler idea per se, but its application unreservedly to buildings of the second class—i. e., buildings in which the exterior only is noncombustible,—which means every building not fireproof throughout.

\* \* \*

At the last meeting of the Pennsylvania State Architects considerable stress was laid upon the need of more effective building laws and more drastic and thorough inspection.

If details such as these were given the attention they merit to the end that flimsy and skimpy construction might be made impossible, thus insuring the community a succession of properly constructed buildings in place of the shoddy structures now all too common, there would be small need for fire protective fads outside of the industrial zone given over to inflammable trades. The combination of cheap material, poor workmanship and lax and inefficient inspection is responsible for more fire loss year by year than failure to provide fire equipment—a fact

that may be expected to dawn in time upon the gentlemen who prate so glibly about fire protection and fire losses.

### TRADE NEWS AND GOSSIP.

\*\*Of the 93,000,000 pounds of Roman, Portland and other hydraulic cement imported in the fiscal year 1911, 45,000,000 pounds were from Germany, 31,000,000 from Belgium, 8,500,000 from England, 6,750,000 from France and 1,750,000 from China.

\*\*The product of the new Ashtabula (Ohio) Shale Brick Company will be placed on the market within a few weeks, the company just completing its new property. The plant has a capacity of eight kilns and 50,000 brick per day. The company will also have a payroll of about \$1800 per fortnight.

\*\*Brick and hollow-ware is to be made at the new plant of the National Clay Company, which has just been established at Hatton, Ohio. The company has a capital stock of \$30,000. C. H. Sankey is at the head of the new concern.

\*\*The Columbia Cement Shingle & Tile Co., a new corporation having a capital of \$10,000, will build a concrete plant at Reading, Ohio. Among those interested in the company are John Mueller, M. C. Roth and Arthur Emlinger.

\*\*The annual meeting of the Glass Brick Company, Pittsburgh, elected all the old Directors for the ensuing year, together with Raymond W. Green, of Uniontown, Pa., who was thereafter elected Secretary-Treasurer of the company. Resolutions were adopted, authorizing the doubling of the capacity of the plant at Connellsville, Pa., and also for selling \$100,000 7 per cent. preferred stock.

\*\*The Alpha Cement Company is rebuilding the old Catskill Company plant at Cementon, N. Y. Tons of new cement-making machinery are being installed, and eventually the capacity of the plant will be doubled.

\*\*Certificate of incorporation has been filed for the Middlesex Cement Products Company, of East Bound Brook, N. J., which will deal in artificial stone, cement and other cement products. The authorized capital is \$25,000. The incorporators are Frank H. Bent, A. H. Bigelow and William E. Vosseller.

\*\*Miss Marie Oberlander, a student of architectural drawing at Teachers' College, Columbia University, who was admitted to junior membership in the American Society of Engineer Draftsmen recently, is the first woman member of the society.

\*\*The issue of City of Paris bonds to the total of \$41,000,000 for the extension of the municipal gas system, has been over-subscribed eighty times.

\*\*C. D. Marshall, president of the McClintic-Marshall Construction Company, testifying at the hearing in the Government's action against the Steel Trust, stated that the American Bridge Company, a subsidiary of the Steel Corporation, had done about 70

per cent. of the bridge steel work in this country contracted for in the last year.

\*\*Horr Brothers, of Portsmouth, Ohio, have secured the local agency for the sale of building brick manufactured by the Harbison-Walker Company, of Templeton, Pa.

\*\*The Pittsburgh Concrete Company has applied for a State charter, the incorporators being H. Fickeisen, I. M. Fickeisen and C. F. Buente. The concern intends to manufacture curbing, flagging and ornamental and structural material for buildings and other structures.

### Alterations and Additions

(Continued from page 404)

Fotheringham (C), 3367 Frankford avenue. Cost, \$600. Dwelling, 2823 Kirkbride street.

B. L. Strat (O), 639 South Fifty-second st. B. A. Feldman (C), 51 North Thirty-eighth street. Cost, \$550. Dwelling, 639 South Twenty-fifth street.

Philadelphia Paper Manufacturing Company (O), Manayunk, Pa. Cost, \$1,800. Beater room, Manayunk, Pa.

Leo Niessen (O), Twelfth and Race streets. C. P. Biggins Company (C), 1829 Harlam st. Cost, \$600. Store and manufacturing, 1209 Arch street.

J. B. Kimes & Co., 1822 Filbert street. Cost, \$2,500. Storage, Twenty-fourth and Callowhill streets.

M. James Mac Alester (O), 6816 Ridge avenue. Keller Brothers (C), Harmon Road, Roxborough. Cost, \$1,500. Dwelling, 6816 Ridge avenue.

Point Breeze Park (O), Point Breeze, Philadelphia. Cost, \$3,000. South side of Penrose Ferry road and Twenty-fifth street.

H. P. Wright (O), 230 Allen lane. A. James (C), Bala, Pa. Cost, \$3,500. Dwelling, 230 Allen lane.

Andrews Mill Co. (O), Adams and Leiper streets. G. H. Thirsk (C), 4413 Frankford avenue. Cost, \$1,600. Manufacturing, Adams and Leiper streets.

Spreckels Sugar Refining Company (O), Dickinson and Meadow streets. Cramp Company (C), Denckla Building. Cost, \$1,912. Warehouse, Dickinson and Meadow streets.

F. A. Poth & Son (O), Thirty-first and Jefferson streets. G. B. Fluny (C), 1138 South Twenty-second street. Cost, \$1,450. Storage battery house, Thirty-first and Glenwood avenue.

Society-Italian M. S. (O), 920 South Eighth street. Alphonso Lagramoso (C), 1009 South Eighth street. Cost, \$18,000. Hall, 920 South Eighth street.

Weightman Estate (O), 1336 Walnut street. J. S. Talley (C), 1931 Market street. Cost, \$1,800. Hotel Hanover, Twelfth and Arch streets.

New Century Guild (O), 1307 Locust street. Smith Hardican Company (C), 1606 Cherry street. Cost, \$4,000. Club, 1307 Locust street.

For "proposals" there is no better medium in print than "The Builders' Guide." Why? Because among our regular readers are the biggest concerns in every avenue of structural activity.



## Electric Fans

### in the Residence

To those who are compelled to spend the greater part of the hot summer months in the city, the use of Electric Fans in their dwellings is indispensable.

Keeping cool in summer means keeping well! Comfort at meals and a refreshing night's rest are impossible during the hot weather unless Electric Fans are used.



## RUUD Automatic Gas Water Heaters

The Novelty of Yesterday  
The Necessity of To-Day

## HILL-CANTON Clothes Drying Cabinets

The Only Dryer that Ventilates  
and is Guaranteed Not to Turn  
Clothes Yellow.

LOW IN PRICE  
ECONOMICAL IN OPERATION

## BARTLETT & CO., Inc.

1938 Market St., Philadelphia

MAKERS OF FURNACES AND  
RANGES SINCE 1843

Make your advertising attractive. Change it now and then. Run a cut in occasionally to lighten up the monotony of raw type. Have something worth saying to fire at your readers. It may cost a trifle more to do it this way, but it pays in the end. And when advertising pays—it pays big.

### RECENT TRADE LITERATURE.

The Hayward Company, 50 Church street, New York City, makers of buckets and digging machinery, has issued bucket catalog No. 39. This covers orange peel buckets, clam shell buckets, drag scraper buckets, scraper clam shell buckets, excavators, counterweight drums, derrick fixtures, traveling derricks, coal handling machinery, and so on. These are only a few things made by the Hayward Company, inasmuch as a complete list of its output would scarcely go into one catalog. Catalog 39, however, is very complete as regards the equipment named.

\* \* \*

Catalog 284 is ready for present and prospective customers of the Diamond Expansion Bolt Company, 90 West street, New York City. A number of new types of this ingenious device for securing fixtures to masonry have been developed by the company since its last catalog was issued and a feature of the present illustration is the fact that an illustration accompanies the description of each type shown.

\* \* \*

"What We Dry" is the title of a well illustrated booklet on dryers, just published by the Ruggles-Coles Engineering Company, 50 Church street, New York, and McCormick Building, Chicago. It tells in a short, interesting way the reason why various materials are dried and gives the names of some of the prominent Ruggles-Coles dryer installations. It should prove of especial interest to those at all interested in the subject of drying.

\* \* \*

"Specifications for Fuel and Illuminating Piping and Fixtures" is the title of a neat little booklet issued by the United Gas Improvement Company of Philadelphia as a guide to official requirements in the matter of gas piping. The book is couched in language notably free from technical difficulties, is very fully and admirably illustrated and should prove of the greatest value to gas fitters and fixture workers. Copies of this important little work may be had on request at any of the offices of the company.

\* \* \*

"Graphite" for May, 1912, published by the Joseph Dixon Crucible Company, Jersey City, N. J., contains, among other interesting matter, a continuation of the sketch by Elbert Hubbard of "Joseph Dixon, One of the World Makers."

\* \* \*

"The Atlas Almanac," published for concrete men by the Atlas Portland Cement Company, 30 Broad street, New York City, serves in its first issue to introduce a broader field of activity for the company. Announcement is made that future issues will be made a clearing house—without fees—of valuable information to dealers in and distributors of

Atlas. They will be issued by the Service Bureau of the company and will have to do with dealers' problems and how to solve them.

### BETTER BUILDING CONSTRUCTION.

A plan is being considered by the New York Board of Fire Underwriters, which, if adopted will make for better building construction. The proposition comes in the shape of a report from a committee of the New York Chapter of the American Institute of Architects in which it is suggested that the board include in the information about a new building which it gives to insurance companies the name of the architect and whether or not he supervised its construction.

This information about a building when given to an insurance company will it is felt be somewhat of a guarantee of proper construction of the building, for no reputable architect or firm of architects will want his or its name mentioned in a report that is of a public nature which will connect him or it with a piece of faulty construction.

### "THE DYNAMO OF TRADE."

In an address on the "Blue Sky in Advertising," delivered before the twelfth annual meeting of the American Association of Advertisers recently held in Buffalo, Truman A. DeWeese estimated that about \$800,000,000 are spent in one year by advertisers of this country.

"Advertising," said the speaker, "is concerned with human wants and human desires. It promotes a healthy interchange of the products of man's genius and industry.

"It multiplies the opportunities for human endeavor. It builds factories by creating a demand for their output. It builds railways and steamship lines by implanting in the human mind a desire to travel and see the world.

"It builds big mercantile establishments by disseminating a knowledge of the things that contribute to woman's adornment and man's comfort.

"Advertising is the dynamo of trade."

### HOW TO GET BUSINESS.

Every contractor is up against the same proposition—how to get business. Every builder rightly longs to see his business grow to the point where jobs come in automatically—so many each year without great effort on his part. Building the buildings is difficult enough without adding the energy required to get the jobs. An ideal building business would be one in which the proprietor could devote his entire time to doing the work; jobs coming in one after another without so much running around and figuring and time-consuming talk.

There are many steps the builder may take



to make business come in automatically. First, he can become well known. His name may be made to come naturally to the lips of every prospective owner, so that each will consider him in every building project. Thus he gets a chance at every building proposition as fast as it is on the market. Second, after his name has become well known the builder's reputation can be such that it will have weight enough to cause owners to desire his services, providing his price is right.—Charles E. White in "Building Progress."

### THE SALESMAN OF QUALITY.

The true salesman is a gentleman; he is polite, considerate, self-controlled, affable, alert to the interests of others; he greets his customers with a pleasant good morning; he puts sir or madam onto his speech, thereby exhibiting his culture and good breeding. He takes refusals and rebukes kindly. He secures attention by pleasing manners. He makes a friend of every customer. We should all of us try to do this, for it's much easier to make a sale to a friend than it is to a stranger. So, again I say, try and make a friend out of every customer. Do this by showing a hearty interest in their affairs. Always feel that you are not doing your full duty by simply showing the customer the article he asks for. Be interested in the customer's welfare. Help him out by your su-

perior knowledge of merchandise. If a customer asks for an article and you know of another article which would be better for the purpose, take pains to explain the difference. Let it be one of your first considerations to

look out for your customers. Let your customer gain by your knowledge, but be tactful; never lead the customer to believe that you know it all and that he knows nothing.—Dealers' Material Record.

## NEW INVENTIONS.

Reported especially for this paper by H. B. Willson & Co., Patent Attorneys, 715 Eighth street, Northwest, Washington, D. C.

A Complete Copy of any of these patents will be forward to any person by Messrs. Willson & Co., on receipt of ten cents. Persons ordering Copies must give Number of Patent.

William Von Wolfradt, Cleveland, Ohio, window sash operating mechanism. No. 1,028,171.

G. A. Cummings, Bondville, Vt., method of manufacturing fireproof composition. No. 1,028,193.

James Keith, London, England, ventilator. No. 1,028,221.

B. C. Rockwell, Malvern, Arkansas, door. No. 1,028,280.

V. D. King, Greensboro, Vt., shingle bracket. No. 1,028,362.

J. F. Ruth, St. Louis, Mo., metallic window. No. 1,028,391.

J. F. Ruth, St. Louis, Mo., metallic window. No. 1,028,392.

J. F. Ruth, St. Louis, Mo., metallic window. No. 1,028,393.

Josef Brandl, Neunhuhsberg, Germany, bevel protractor. No. 1,028,425.

J. F. Weitzel, Columbus, Ohio, grainage gutter. No. 1,028,512.

J. H. Cornelison, St. Louis, Mo., swinging window screen. No. 1,028,679.

George Fulton, Winnipeg, Manitoba, Canada, wooden floor covering. No. 1,028,703.

W. F. Hackney, Washington, Kansas, assignor to Edgar Bennett, Washington, Kansas, door track and hanger. No. 1,028,714.

E. F. Hodgson, Needham, Mass., roof construction. No. 1,028,725.

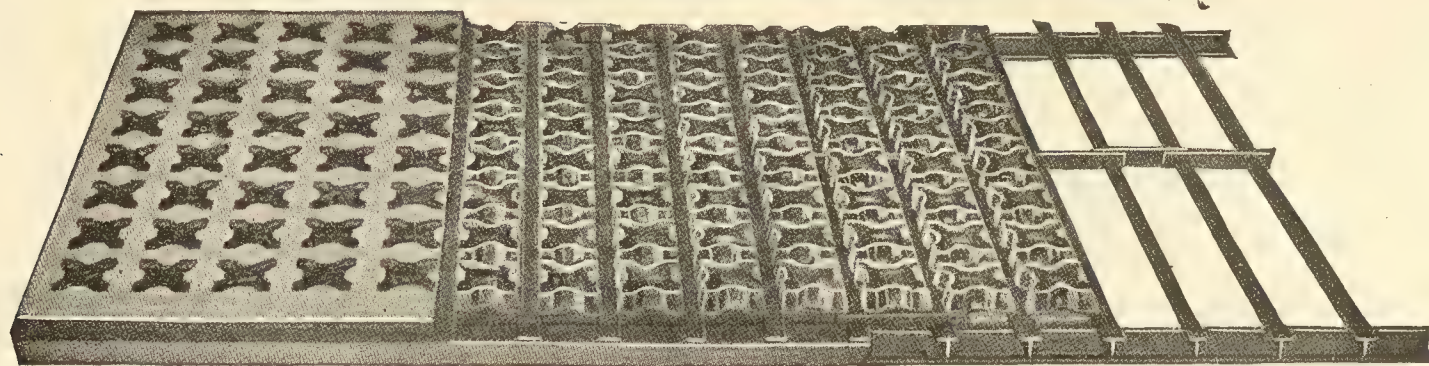
C. D. Kreider, Lititz, Pa., knockdown table. No. 1,028,741.

Joseph LaFollette, Portland, Oregon, combination bevel protractor. No. 1,028,742.

C. A. Sturm, Portland, Oregon, elevator. No. 1,028,798.

H. G. Voight, New Britain, Conn., door controlling means. No. 1,028,833.

### 100 PER CENT. UNDER SURFACE OF GLASS



Finished

First Application of White Cement

Loose Glass

Steel Construction

## "SUN BURST" PRISMS

### A REVELATION IN SCIENTIFIC VAULT LIGHTING

Maximum Light—Maximum Strength—Minimum Cost

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This Prism gives just double the amount of Illumination of any other Prism now made.

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## Proposals

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### SEALED PROPOSALS, ENDORSED

"Proposals for Replacing Roofing of Storehouse and of Magazine No. 7," will be received at the Bureau of Yards and Docks, Navy Department, Washington, until 11 o'clock A. M., July 13, 1912, and then and there publicly opened, for replacing roofing of storehouse and magazine No. 7 at the Naval Magazine, Fort Mifflin, Pa. Plans and specifications can be obtained on application to the Bureau or to the Commandant of the Navy Yard, Philadelphia, Pa. H. R. STANFORD, Chief of Bureau, June 12, 1912.

TREASURY DEPARTMENT, OFFICE OF the Supervising Architect, Washington, D. C., June 14, 1912.—Sealed Proposals will be received at this office until 3 o'clock P. M. on the 26th day of July, 1912, and then opened for the construction, including plumbing, gas piping, heating apparatus, electric conduits and wiring, and interior lighting fixtures, of the extension, remodeling, etc., of the United States post office at Oil City, Pa., the extension to be one story and basement of approximately 1,227 square feet ground area; stone faced; tin roof; fireproof construction. Drawings and specification may be obtained from the custodian of site or at this office at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect.

TREASURY DEPARTMENT, OFFICE OF the Supervising Architect, Washington, D. C., June 15, 1912.—Sealed Proposals will be received in this office until 3 o'clock P. M. on the 6th day of August, 1912, and then opened, for the construction complete (including plumbing, gas piping, heating apparatus, electric conduits and wiring, and interior lighting fixtures and approaches) of the United States post office at Carrollton, Ga. The building is of two stories and basement and has a ground area of approximately 3,800 square feet, non-fireproof construction, stone, brick, and stucco facing, terra cotta cornice and tin roof. Drawings and specifications may be obtained from the Custodian of site at Carrollton, Ga., or at this office, at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect.

Your salesman would consider himself fortunate to get **ONE TEN-MINUTE INTERVIEW** with a busy architect **IN THREE MONTHS**. We **REACH** and **TALK DIRECT** to men of this calibre **FIFTY-TWO WEEKS IN THE YEAR!**

Advertise! The minute you stop advertising you lose ground. You may not feel this loss right away. But you must feel it in the end. Advertising is the dynamo of modern business.

"J-M Roofing Salesman," for April, 1912, contains the announcement that the H. W. Johns-Manville Company, New York, is about to build a new industrial town to be known as Manville, N. J. More than 300 acres of land have been bought on the site of what is now known as FINDERNE. Here will be erected what are destined to be the largest and best-equipped factories in the world for the manufacture of asbestos and magnesia products, including roofings, textiles, packings, insulation materials and other J-M products. The company is now erecting another large factory in the Claremont section of Jersey City for the manufacture of cork insulating materials.

The trouble with some advertising is that it is like the conversation of certain people—it never says anything.—"Novelty News."

### IF YOU HAD SOME ONE TO TELL YOU—

Who was building, where, the name of the architect and contractor, the kind of materials to be used, the cost, etc., in time for you to bid or work in your line, you'd consider him a pretty good friend, wouldn't you?

Well, this is precisely what The Guide tells you **week after week**, every issue, for fifty-two weeks in the year. And the cost of getting this information in your mail **every Thursday morning** is just \$5.00 a year.

### Less than Ten Cents a Week!

And The Guide gives you, in addition to all this timely and valuable news of new building projects all the other news to be gathered in the building trades, such as

### Material and Equipment Notes.

Keeping you informed on every new device, material or specialty introduced to the trade.

### "More or Less Personal."

Giving you the personal gossip about men of note in the construction, architectural, material and engineering callings.

### "Here, There and Everywhere."

Gathering from North, East, South and West the most important trade happenings condensed into readable and pithy little paragraphs.

### "Editorial."

Discussion by a trained observer of questions of trade moment, and a budget of less important features, including half-tone illustrations of new and notable bits of architecture and interior fittings.

### Are You a Subscriber?

Get the habit!

The man who can't make money out of the building notes furnished weekly in The Guide has missed his vocation.

He ought to be clerking in a bird store! Come on in—

The water's fine!

Address:

THE BUILDERS' GUIDE,  
Perry Building,  
Philadelphia.

## THE BUILDERS' GUIDE

is the **only** paper devoted to building material and equipment interests in Philadelphia—the only architectural and construction organ in the State of Pennsylvania, and the most readable and progressive trade paper of its class this side of New York city.

If you are not a subscriber—**subscribe now.**

If you are a subscriber let us have the names of some of your friends who would be likely to be interested in a paper of this kind. Or send us in a club of five subscribers and we'll send you a premium well worth your time. Or—

For three subscriptions we will send you the paper **free** for one year.

We want **10,000 paid subscribers** to the Builders' Guide before the close of 1912.

Won't you help your home trade paper to realize this ambition?

Lend a hand.

We have an attractive proposition to make to a few good subscription canvassers. The other kind need not apply.

BUILDERS' GUIDE,  
Perry Building,  
Philadelphia.

### A PLAY IN THREE ACTS.

- Act I. Advertising.
- Act II. More advertising.
- Act III. Success.

"The Guide" reaches and is read in every one of the thirty-two Chapters of the American Institute of Architects throughout the United States. It reaches and is read by every architect in Pennsylvania.

As a medium for "Proposals" The Guide is a little wonder. "Uncle Sam" is one of our regular advertisers.

### REAL ESTATE TRANSFERS.

Summary for week ending June 15th, 1912:	
Number of transfers.....	679
Amount of transfers.....	\$1,922,532.50
Cash consideration .....	439,839.00
Mortgage consideration .....	1,482,693.50
Ground rent consideration.....	1,910.66
Which on a six per cent basis amounts to .....	31,844.34

## PATENTS

promptly obtained **OR NO FEE**. Trade-Marks, Caveats, Copyrights and Labels registered. **TWENTY YEARS' PRACTICE**. Highest references. Send model, sketch or photo. for free report on patentability. All business confidential. **HAND-BOOK FREE**. Explains everything. Tells How to Obtain and Sell Patents, What Inventions Will Pay, How to Get a Partner, explains best mechanical movements, and contains 300 other subjects of importance to inventors. Address,

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Box 500 Willson Bldg. WASHINGTON, D. C.

Mention "The Builders' Guide."



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WRITTEN for ARCHITECTS.  
REASONABLE RATES**

SPECIALISTS IN THE  
PRODUCTION OF THE  
HIGHEST GRADE OF  
IMITATION TYPEWRIT-  
TEN WORK FOR ADVER-  
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Keystone 'Phone: Bell 'Phone:  
Race 12-89 Filbert 52-92.

## Builders' Exchange Exhibition

**C** If you are a Manufactu-  
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have a good article

Have it Exhibited at  
**The Builders' Exchange  
Exhibition**

They will explain its merits and  
tell the people where it can be had  
and you will get the best adver-  
tising possible. Better still, make  
your office with your Exhibit.

**Try It!**

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PHILADELPHIA

## SAFES

Fire and Burglar Proof Vaults  
Metal Office Furniture  
Steel Fire Proof Doors

**STIFFEL & FREEMAN CO.**  
MANUFACTURERS

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**T**HE Daily Building  
News Published by  
The Building News  
Publishing Company gives  
to builders, contractors,  
material men and decora-  
tors the earliest possible  
news in regard to new  
buildings projected within  
a radius of a hundred miles  
of Philadelphia. With its  
aid you get into immediate  
touch with everything in  
the shape of a business  
opportunity in your line.  
This service costs \$50.00 a  
year and is invaluable to  
men interested in the struc-  
tural field. Ask for sample  
bulletins and examine the  
scope and utility of the  
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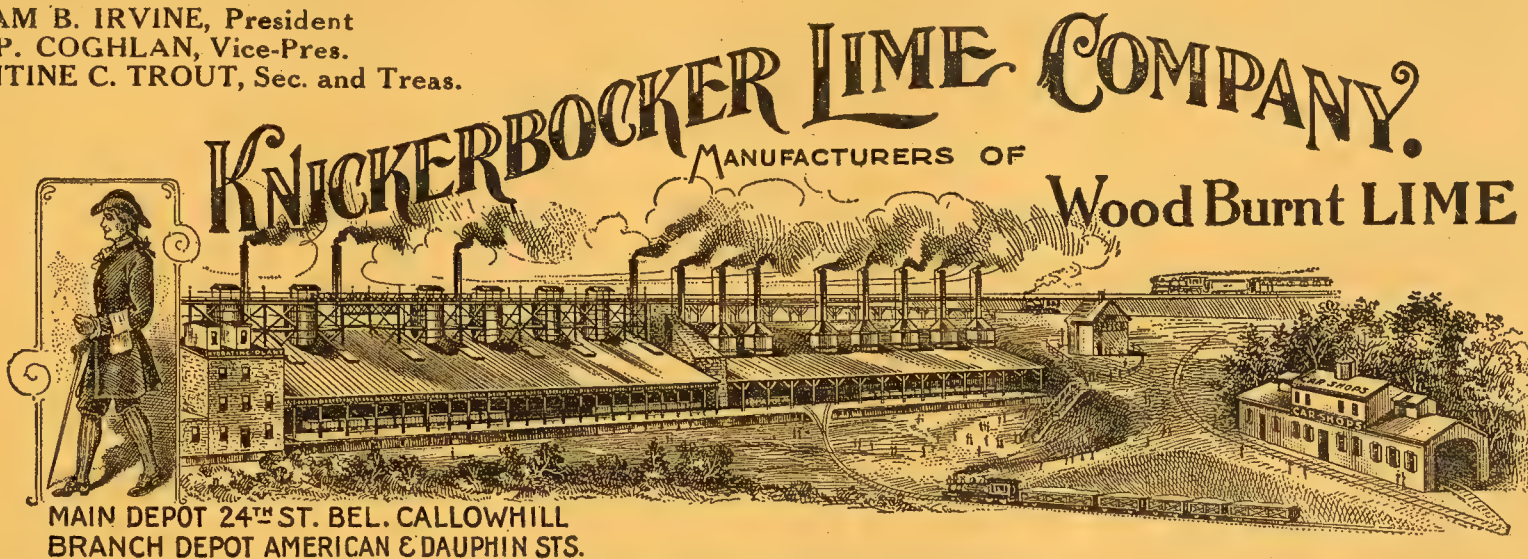
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Vol. XXVII., No. 26.

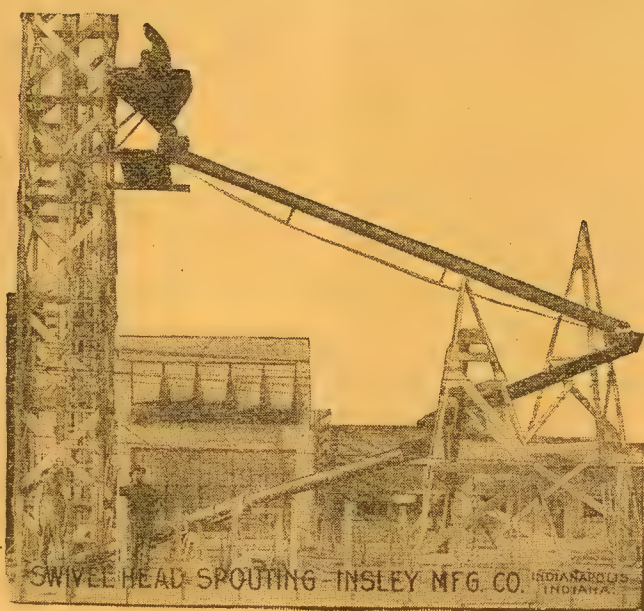
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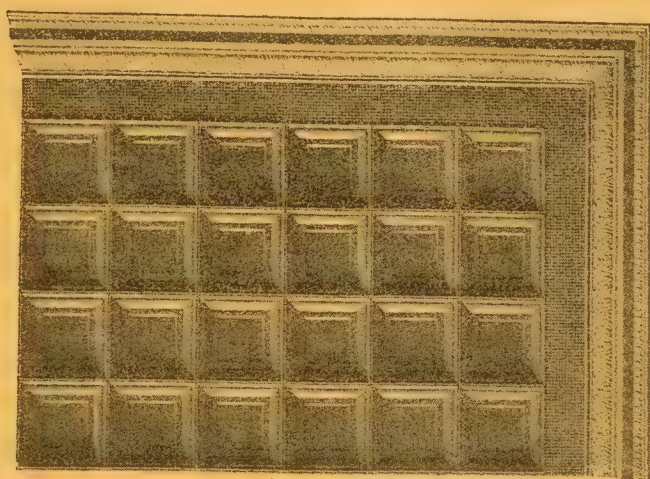
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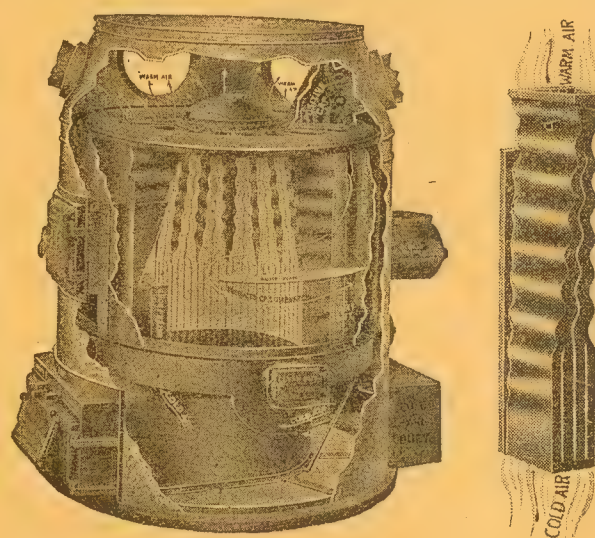
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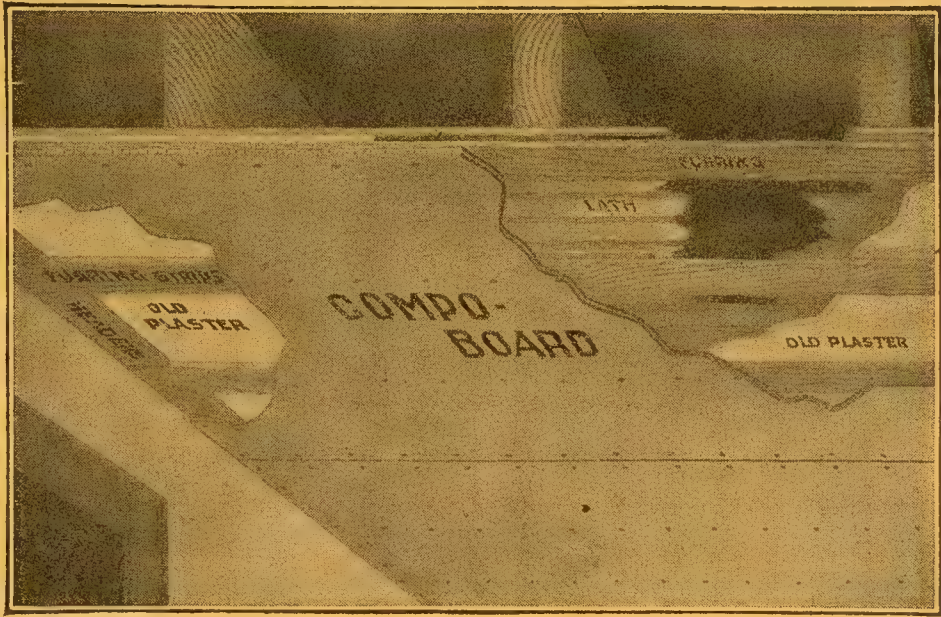
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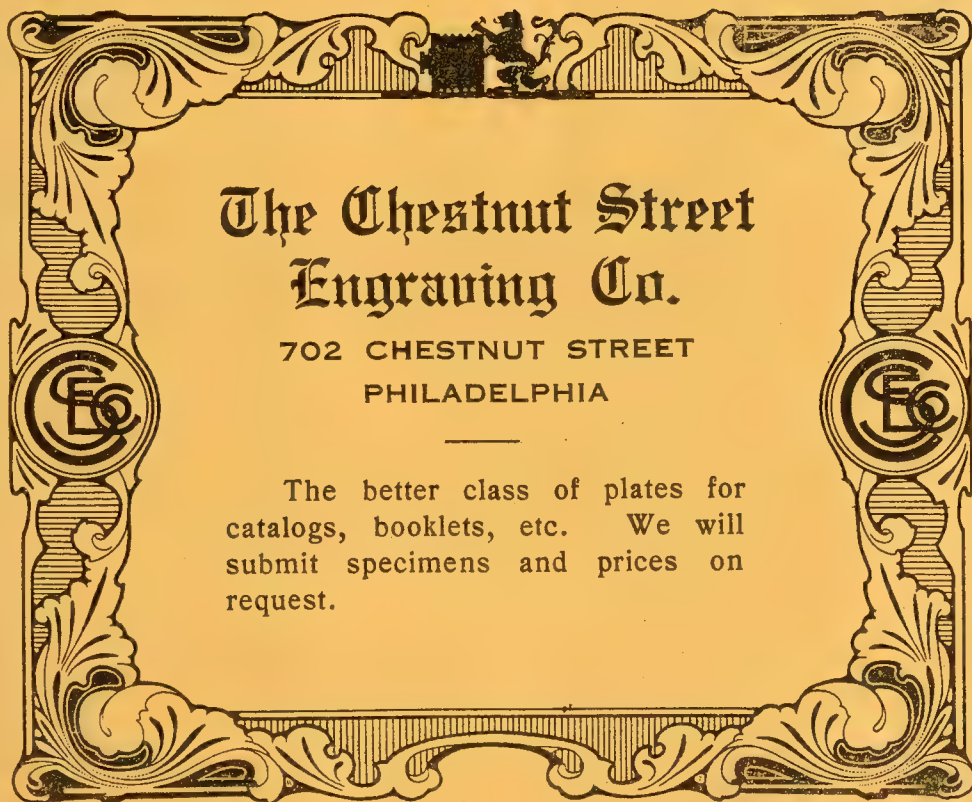
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# Builders' Guide

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXVII., No. 26.

PHILADELPHIA, WEDNESDAY, JUNE 26, 1912.

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## Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Church**, Twenty-third and Mifflin streets. Architect, Geo. I. Lovatt, 418 Walnut street. Owner, St. Edmond's R. C. Church, care of Rev. John J. Greensil, Seventeenth and Morris streets. Stone and brick, one story. Plans in progress.

**Residence**, Chestnut Hill, Phila. Architect, Chas. B. Keen, Bailey Building. Owner, Dr. B. R. Marsden, 3311 Germantown avenue. Brick, three stories, slag roof. Architect taking bids, due June 26th. The following are figuring: Thos. M. Seeds, 1207 Race street; M. S. Oberholtzer, 5524 Pulaski avenue; C. P. Tull, 30 West Southampton avenue.

**Saloon (alt. and add.)**, 1802 Market street. Architect, H. E. DeHoff, 48 South Sixty-first street. Owner, Ed. Flood, care of architect. Brick, four stories, slag roof, electric light. Architect taking bids, due June 27th. The following are figuring: P. J. Hurley, 1233 Cherry street; Smith Hardican Company, 1606 Cherry street; J. W. Emery, 1524 Sansom street; A. Whitehead, 1624 Latimer street; Gaffney & Co., 130 North Twelfth street.

**Farm House (alt. and add.)**, Mermaid, Pa. Architect, Brockie & Hastings, 328 Chestnut street. Owner, Randal Morgan, on premises. Stone and plaster, two stories, shingle roof, three baths, hot water heat, electric light. Architect taking bids, due June 27th. The following are figuring: W. J. Gruhler, 219 High street; A. P. Simpson, 437 Winona street; F. W. Allison & Co., 1110 Rittenhouse street; J. E. Walt, 204 East Willow Grove avenue; S. Harting, 20 East Johnson street; J. S. Wilson, 1125 Brown street.

**School**, 1712-14-16 Delancy street. Architect, A. W. Barnes, 130 South Fifteenth street. Owner, Metropolitan Dramatic School, care of architect. Brick, granite, fireproof, three stories, 37x92 feet, heat and electric work, reserved, four toilets and three baths, reserved, slag roof. Architect taking bids, due July 1st. Jas. G. Doak & Co., Crozer Building, are figuring.

**Residence (alt. and add.)**, Twenty-second and Pine streets. Architects, Watson & Huckel, 1211 Walnut street. Owners, S. W. Cooper, on premises. Brick, four stories, interior alterations. Plans in progress.

**Residence**, Oak Lane, Pa. Architect, Guy King, 1513 Walnut street. Owner, Mrs. M. E. Richards, care of architect. Stone, two and one-half stories, 38x46 feet, shingle roof, hot

water heat, hardwood floors, three bathrooms. Architect taking bids, due June 28th. The following are figuring: Wm. R. Dougherty, 1610 Sansom street; A. R. Raff, 1635 Thompson street; A. Whitehead, 1624 Latimer street; J. C. Fossell, 128 East Cheltenham avenue; J. F. Davies, 1208 Chestnut street; W. J. Gruhler, 219 High street.

**Residence (alt. and add.)**, 2335 North Park avenue. Architects, Stearns & Castor, Stephen Girard Building. Owner, Max Berg, on premises. Brick, three stories, electric light, hot water heat. Architects have received bids.

**Cottage**, Melrose, Pa. Architects, Stearns & Castor, Stephen Girard Building. Owners, name withheld. Plaster, two and one-half stories, 25x35 feet, slate roof, electric light, steam heat. Architects have received bids.

**Stores and Office Building**, Fifty-second and Market streets. Architect, J. I. Bright, Seventeenth and Chestnut streets. Owner, West End Realty Company, Bulletin Building. Brick, terra cotta, fireproof, four stories, 109x39 feet, slag roof, electric light, steam heat, elevators. Architect taking bids, due June 26th. The following are figuring: Doak & Co., 1420 Chestnut street; Chas. Gilpin, Harrison Building; H. L. Brown, 1714 Sansom street; H. E. Baton, Tenth and Sansom streets; E. F. Fonder, Land Title Building; Sax & Abbott, Hale Building; W. E. Dotts & Co., 148 North Second street.

**Store Building**, N. E. cor. Broad and Girard avenue. Architects, Stuckert & Sloan, Crozer Building. Owner, G. H. Earle, Real Estate Trust Building. Brick, concrete, blue stone trimmings, two stories, 160x24 feet, electric light, slag roof, steam heat. Architects have received bids.

**Garage**, Elkins Park, Pa. Architect, private plans. Owners, J. L. Steele, 1600 Arch street. Brick and plaster, two stories, 25x16 feet, tin roof, electric light. Wm. Steele & Sons Co., 1600 Arch street, is taking sub-bids.

**Residence**, Haverford, Pa., \$25,000. Architect, Horace Wells Sellers, Stephen Girard Building. Owner, Boyd Lee Spahr, Land Title Building. Stone and timber, three stories. Plans in progress.

**School**, East Lansdowne, Pa. Architect, W. W. Cochran, East Lansdowne, Pa. Owners, Board of Education of East Lansdowne, Pa. Stone, two stories, shingle roof, electric

light, steam heat. Owners have received bids.

**Cottage**, White Haven, Pa. Architects, Stewardson & Pags, 320 Walnut street. Owners, White Haven Sanitarium, White Haven, Pa. Frame and plaster, three stories, 38x70 feet, slate roof, electric light. Architects have received bids.

**Factory**, Second and Ashdale avenue. Architect, James G. Brown, Witherspoon Building. Owner, Germantown Tool Works, 519 Commerce street. Brick, one story, 100x280 feet, slag roof, electric light. In addition to those previously reported, A. Chamberley, 243 South Tenth street, is figuring.

**Parish House**, Grenlock, N. J. Architect, H. L. Reinhold, 1309 Walnut street. Owners, First Presbyterian Church, Grenlock, N. J. Frame, two stories, shingle roof, electric light, hot air heating. Plans completed. Architect ready for bids.

**Factory**, Grenlock, N. J. Architect, H. L. Reinhold, 1309 Walnut street. Owners, Bateman Manufacturing Company, Grenlock, N. J. Concrete, three stories, slag roof, electric lighting, steam heating. Plans in progress.

**Bank and Office Building**, Huntington, W. Va. Architect, V. T. Ritter, Huntington, W. Va. Owner, First National Bank of Huntington, W. Va. Brick, steel, fireproof, terra cotta, twelve stories, 16x130 feet, electric lighting, slag roof, limestone trimmings, elevators. Architect taking bids, due July 1st. The following are figuring: Metzger & Wells, Heed Building; J. E. & A. L. Pennock, Land Title Building.

**Residence**, Media, Pa. Architect, N. Flounders, Media, Pa. Owner, H. K. Broomall, Media, Pa. Brick and frame, two and one-half stories, 23x50 feet, shingle roof, electric lighting, hot water heating. J. B. Flounders, 1329 Arch street, taking sub-bids.

**Factory**, Eleventh above Cambria streets. Architects, Magaziner & Potter, 37 South Fifth street. Owner, Penn Rivet Company, care of architect. Brick, one story, 95x70 feet, electric lighting, slag roof. Architects have received bids.

**Building (alt. and add.)**, 523-25-27 Chestnut street. Architect, J. T. Windrim, Commonwealth Building. Owner, Real Estate Title Insurance & Trust Co., 523 Chestnut street. Marble, stone and brick, three stories, copper roof, steam heating, electric lighting, hardwood floors. Architects taking bids, due June 28th. The following are figuring:



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Chas. McCaul Company, Tenth and Sansom streets; Jacob Myers & Sons Co., Wither- spoon Building; Pomeroy Construction Com- pany, 1609 Ranstead street.

**Fire House**, Lebanon, Pa. Architects, Hauer & Mowrer, 3110 Columbia avenue. Owner, Perseverance Steam Fire Company, Lebanon, Pa. Brick, limestone trimmings, three stories, 50x66 feet, maple floors, slag roof, electric light, steam heat. Architect taking bids, due June 26th. The following are figuring: F. W. Van Loon, Denckla Building, Philadelphia; L. L. Kreider & Co., Lancaster, Pa.; Shenk Bros., H. Buffmoyer, J. H. Greihner, H. F. Cilley and A. H. Wit- mer, all of Lebanon, Pa.

**Warehouse**, New York City. Architect, M. A. Long, Baltimore, Md. Owners, Baltimore & Ohio Railroad Company, Baltimore, Md. Brick, steel, concrete, nine stories, 67x362 feet, steam heat, electric light, slag roof. Owners taking bids, due July 6th. Royd- house-Arey Company, Fidelity Building, are figuring.

**Building (alt. and add.)**, 523-25-27 Chest- nut street. Architect, J. T. Windrim, Com- monwealth Building. Owners, Real Estate Title Insurance & Trust Co., 523 Chestnut street. Marble, stone and brick, three stor- ies, copper roof, steam heat, electric light, hardwood floors. Architects taking bids, due June 28th. In addition to those previously reported, the following are figuring: Pom- eroy Construction Company, 1609 Ranstead street; Cramp & Co., Denckla Building.

**Buildings (17)**, Havre de Grace, Md. Architects, Dodge & Morrison, 135 Front street, New York City. Owner, Havre de Grace Jockey Club. Frame, one and two stories, shingle roof. Architects have re- ceived bids.

**Residence (alt. and add.)**, Ardmore, Pa.

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KEYSTONE-RACE 8-24

**N. E. Cor. 22d and Wood Streets**

Architects, McIlvain & Roberts, Land Title Building. Owner, G. C. Brooke, Ardmore, Pa. Plaster, two and one-half stories, shingle roof, electric light. Contract awarded to Graham Campion & Co., Heed Building.

**Residence (alt. and add.)**, Rosemont, Pa. Architects, Stewartson & Page, 320 Walnut street. Owner, R. K. Cassatt Estate, Rose- mont, Pa. Stone, three stories, hot air heat, marble and tile work. Architects have re- ceived bids.

**Residences (2)**, Lincoln Drive, German- town. Architects, Duhring, Okie & Zeighler, Bailey Building. Owner, Dr. Geo. Wood- ward, North American Building. Stone, three stories, 36x78 feet, shingle roof, four baths, heat, plumbing and electric work, re- served. Architects have received bids.

**Armory (alt. and add.)**, Media, Pa. Archi- tects, Price & McLanahan, Sixteenth and Walnut streets. Owners, Sixth Regiment Armory, Media, Pa. Terra cotta, stone, two stories, slag roof, steam heat.

**Garage**, Jenkintown, Pa. Architects, Sav- ery-Scheetz & Savery, Stephen Girard Build- ing. Owner, S. H. Cross, M.D., Jenkintown, Pa. Brick and plaster, two stories, 21x38 feet, shingle roof. Owner taking bids, due June 26th. F. B. Davis, 35 South Seven- teenth street, is figuring.

**Store (alt. and add.)**, 1228 Market street. Architects, Stearns & Castor, Stephen Girard Building. Owner, Walk Over Shoe Company, 1022 Chestnut street. Brick and metal, two stories, electric light, steam heat, hardwood floors. Architects have received bids.

**Y. M. C. A.**, Oil City, Pa. Architects, Shattuck & Hussey, Chicago, Ill. Owners, Y. M. C. A., Oil City, Pa. Brick, terra cotta, brick, 4 stories, 74x181 feet, slag roof, steam heat, electric light, hot water heater, four toilet rooms. Architects taking bids, due June 28th. Metzger & Wells, Heed Building, are figuring.

**Parish House (alt. and add.)**, Eleventh and Jackson streets. Architects, Watson & Huckel, 1211 Walnut street. Owner, Church of the Epiphany, care of Father Nash. New laundry and kitchens and porches. Plans in progress.

**Building (alt. and add.)**, 245-47 North Broad Street. Architect, Watson & Huckel, 1211 Walnut street. Owner, Wister Estate, care of architect. Auto salesroom, new front. Plans in progress.

**Buildings (5)**, Honesdale, Pa. Architect, Day & Zimmerman, 608 Chestnut street. Owner, Guernsey Electric Elevator Company, New York City. Brick and frame. Mill, one story, 50x210 feet. Shops (2), one story, 50x 210 feet. Foundry, one story, 80x150 feet. Storage, one story, 25x75 feet, slag roof, elec- tric light, steam heat. Plans in progress.

**Moving Picture Theatre**, Germantown ave- nue and Durham street. Architects, Henon & Boyle, 14 South Broad street. Owner, J. J. Keenan, care of architect. Brick, one story, 40x125 feet, slag roof, electric light. Archi- tects taking bids due June 27, 10 A. M. The following are figuring: John McShain, 631 North Seventeenth street; M. L. Conneen, 315 South Twentieth street; James Doyle & Son, 878 North Forty-sixth street; D. W. O'Dea, 5219 North Fifth street; E. E. HoWenbach,

Fifteenth and Race streets; Gaffney & Co., 130 North Twelfth street.

**Cottage**, Highland Park, Pa. Architect, Wallace Eugene Hance, 204 West Twenty- fourth street, Wilmington, Del. Owner, Fred- erick Beinhauer, 2235 North Chadwick street. Architect taking bids due June 28. J. Sims Wilson, 1125 Brown street, is figuring.

**School**, Eighteenth and Wood streets. Ar- chitects, E. F. Durang & Son, Inc., Twelfth and Chestnut streets. Owner, Cathedral School, care of Rev. W. J. Higgins. Marble, brick, terra cotta, three stories, 86x175 feet, slag roof (heat and light reserved). Archi- tects taking bids due June 28. The following are figuring: E. Fay & Son, 1521 Ranstead street; J. McShain, 631 North Seventeenth street; William McShane, 417 South Thir- teenth street; Jacob Myers & Son, Wither- spoon Building; J. R. Wiggins, Heed Building; Melody & Keating, Bailey Building; M. L. Conneen & Son, 315 South Twentieth street; William R. Dougherty, 1610 Sansom street; A. M. Conneen, 1414 North Thirteenth street.

**Building (alt. and add.)**, Haverford, Pa. Architects, Savery, Scheetz & Savery, Stephen Girard Building. Owners, Founders Hall, Haverford College, Haverford, Pa. Granite. Architects taking bids in a few days. The following are figuring: Stacey Reeves & Sons, 1609 Filbert street; R. C. Ballinger & Co., 218 North Thirteenth street.

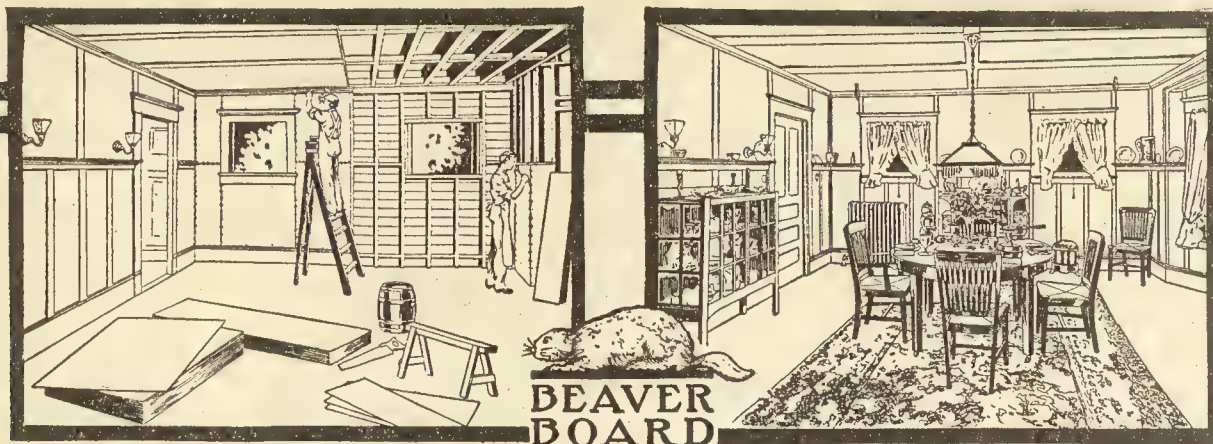
**Warehouse**, New York City. Architect, M. A. Long, Baltimore, Md. Owner, Baltimore & Ohio R. R. Company, Baltimore, Md. Brick, steel and concrete, nine stories, 67x362 feet, steam heat, electric light, slag roof. Owners taking bids due July 1. Roydhouse-Arey Com- pany, Fidelity Building, are figuring. Note change in date.

**Synagogue**, 2022-04 North Mascher street. Architects, Magaziner & Potter, 37 South Fifth street. Owners, Love of Israel Congre- gation, on premises. Brick, limestone trim- mings, two stories, 36x92 feet, slag roof, elec- tric light, two toilet rooms (heat reserved). Architects taking bids due June 27. The fol- lowing are figuring: H. E. Grau, 1707 Sansom street; J. B. Flounders, 1329 Arch street; Lam Building Company, 1001 Wood street; William R. Dougherty, 1610 Sansom street; James Con- ner, 2848 Frankford avenue; Irwin & Leigh- ton, 126 North Twelfth street; Sax & Abbott, Hale Building; T. C. Trafford, 1613 Sansom street; Smith-Hardican, 1606 Cherry street; S. Schultz, 920 Moyamensing avenue.

**School**, 1712-14-16 Delancy street. Archi- tect, A. W. Barnes, 130 South Fifteenth street. Owner, Metropolitan Dramatic School, care of architect. Brick, granite, fireproof, three stor- ies, 37x92 feet (heat and electric work re- served), (four toilets and three bath re- served), slag roof. Architect taking bids due July 1. The following are figuring: James G. Doak & Co., Crozer Building; R. J. Whiteside & Sons, 2115 Wallace street; F. A. Havens & Co., 845 North Nineteenth street; Cramp & Co., Denckla Building; Doyle & Co., 1519 San- som street; A. R. Raff, 1635 Thompson street; R. C. Ballinger & Co., 218 North Thirteenth street.

**Armory (alt. and add.)**, Atlantic City, N. J. Architects, Davis & Davis, 1715 Sansom street. Owner, The Morris Guards Armory. Brick, plaster, three stories, slag roof, hot water





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heater, maple floor, hot water heat, five toilet rooms. Architects taking bids due July 2. William R. Dougherty 1610 Sansom street; Roydhouse-Arey Company, Fidelity Building, are figuring.

**Residence**, Westview and Germantown avenue, Philadelphia. Architect, Frank Seeburger, Pennsylvania Building. Owner, Michael Trump, 530 Lincoln Drive. Brick, plaster, three stories, 43x51 feet, electric light, hot water heat, shingle roof, hardwood floors, 3 bath rooms. Architect taking bids due June 27. The following are figuring: Stacey Reeves & Son, 1609 Filbert street; William J. Gruhler, 219 High street; Metzger & Wells, Heed Building; J. S. Wilson, 1125 Brown street; Mowrer Bros., Merion, Pa.; J. E. Kearney, 327 North Sixty-third street.

**Residence**, Swarthmore, avenue. Architect, N. Flounders, Media. Owner, H. C. Twadell, Swarthmore, Pa. Stone and frame, two and one-half stories, 36x31 feet, shingle roof, electric light, hot water heat. J. B. Flounders, 1329 Arch street, taking sub-bids due June 26.

**Theatre (alt. and add.)**, Broad and Porter streets. Architect, Charles E. Oelschlager, Harrison Building. Owners, the Plaza Theatre Company, on premises. Brick, reinforced concrete, steel, fireproof, three stories, slag roof, steam heating, electric lighting. Architect is taking sub-bids on all lines.

**Flat House**, northeast corner of Fifty-first and Locust streets. Architect, A. Lynn Walker, the Sedgley, Forty-fifth and Pine streets. Owner's name withheld. Brick, Indiana limestone, four stories, 47x81 feet. Asbestos or Carey roof, steam heating, 12 bath rooms, electric lighting. Architect taking bids, due June 26th. Alexander Chambley, 243 South Tenth street, is figuring.

**Factory**, Long Island City, N. J. Archi-

tecs, Harris & Richards, Drexel Building. Owners, General Vehicle Company, 505 Fifth avenue, New York City. Concrete and steel. Consists of a group of buildings. Architects will take bids on superstructure in about ten days.

**Armory (alt. and add.)**, Atlantic City, N. J. Architects, Davis & Davis, 1715 Sansom street. Owners, the Morris Guards Armory. Brick, plaster, three stories, slag roof, hot water heater, maple floor, hot water heat, five toilet rooms. Architects taking bids, due July 2nd. The following are figuring: William R. Dougherty, 1610 Sansom street; Roydhouse-Arey Company, Fidelity Building; Mitchell Brothers, 2125 Race street; H. E. Baton, Tenth and Sansom streets; A. J. Mathis, Thompson Bros., Knaurer Construction Company, Ingersoll & Weeks and Parson and Tilton, all of Atlantic City, N. J.

**Fire House (alt. and add.)**, Fifteenth and Snyder avenue, Philadelphia. Architect, C. B. Zilenziger, City Hall. Owners, City of Philadelphia. Stone and brick, slate roof, electric lighting, steam heating, hot water heater, one bath and one toilet room. Owners taking bids, due July 1st. The following are figuring: J. G. Doak & Co., Crozer Building; Wayne Construction Company, 1210 Filbert street; Ed. Fay & Sons, 1521 Ranstead street; J. W. Emery, 1524 Sansom street; Mitchell Brothers, 2125 Race street.

**Residence**, Chestnut Hill, Philadelphia. Architects, Duhring, Okie & Zeighler, Bailey Building. Owner, T. B. Homer, care of architects. Stone, three stories, 77x53 feet. Hardwood floors, electric lighting, hot air heating, shingle roof, five both rooms. Architects, taking bids, due July 3rd. The following are figuring: R. C. Ballinger, 218 North Thirteenth street; William R. Dougherty, 1610

Sansom street; W. J. Gruhler, 219 High street; W. J. Stevens, Wyncote, Pa.; R. N. Peterson, 5250 Wakefield street, Germantown; W. C. Wright, 22 Harvey street, Germantown.

**Freight Station**, Cumberland, Md. Architect, M. A. Long, Baltimore, Md. Owners, Baltimore and Ohio Railroad Company, Baltimore, Md. Frame and steel, one story, 45x150 feet. Slate roof, electric lighting, steam heating. Owners taking bids. Roydhouse-Arey Company, Fidelity Building, are figuring.

**Factory**, Sixth and Tabor road. Architects,

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Day & Zimmerman, 608 Chestnut street. Owners, Philadelphia Textile Machinery Company, Hancock and Somerset streets. Brick, one story, 225x275 feet. Slag roof, steam heating, electric lighting. Plans in progress.

**Building (alt. and add.)**, Third and Chestnut streets. Architect, private plans. Owners, E. W. Clark & Co., 321 Chestnut street. Brick and marble, four stories, 36x109 feet. Slag roof, elevators, electric lighting, steam heating. Owners taking bids, due June 27th. Pomeroy Construction Company, 1609 Sansom street, is figuring.

**Power House (alt. and add.)**, Folsom, Pa. Architect, J. T. Windrim, Commonwealth Building. Owners, Philadelphia Electric Company, Tenth and Sansom streets. Brick, one story, slag roof. Architect taking bids, due July 2nd. The following are figuring: Roydhouse-Arey Company, Fidelity Building; J. R. Wiggins, Heed Building; Pomeroy Construction Company, 1609 Ranstead street; C. Gilpin, Harrison Building.

**Passenger Station**, Rahway, N. J. Architect, W. H. Cookman, Broad Street Station. Owners, Pennsylvania Railroad Company.

Brick and granite, terra cotta, one story, 43x45 feet, steam heating, tile roof, electric lighting, two toilet rooms. Architect taking bids, due July 8th. Roydhouse-Arey Company, Fidelity Building, are figuring.

**Garage**, 3431-33 North Broad street, \$18,000. Architects, Dothard & Dothard, 243 South Fourth street. Owner, Mary A. Read, care of architects. Brick, one story, 50x170 feet. Slag roof, electric lighting, hot water heat. Architects taking bids, due July 3rd. The following are figuring: Alex. Chambley, 243 South Tenth street; H. E. Baton, Tenth and Sansom streets; B. Ketcham's Sons, 1029 Brown street; A. R. Raff, 1635 Thompson street; Irwin & Leighton, Twelfth and Cherry streets; Lord & Read, 5909 North Park avenue.

**Theatre**, Philadelphia, \$350,000. Architect, F. Weber, Morris Building. Owner's name withheld. Brick and terra cotta, one story, 120x240 feet. Slag roof, electric lighting, steam heating (fan system). Architect tak-

ing bids, due July 8th. The following are figuring: Cramp & Co., Denekla Building; J. W. Emery, 1524 Sansom street; Fuller Construction Company, Morris Building; Thompson Starrett Company, 51 Wall street, New York.

**Library**, New Rochelle, N. Y. Architect, A. R. Ross, 16 East Forty-second street, New York City. Owners, Public Library, New Rochelle, N. Y. Terra cotta and brick, two stories, 37x60 feet. Hardwood floors, slag roof, electric lighting, steam heating. Architect taking bids, due July 8th. Metzger & Wells, Heed Building, are figuring.

**School**, Montclair, N. J. Architect, J. G. Rogers, 11 East Twenty-fourth street, New York City. Owners, Board of Education, Montclair, N. J. Brick and terra cotta, three stories, 126x138 feet. Maple floors, slag roof, electric lighting, steam heating, six toilet rooms. Owners taking bids, due July 5th. Metzger & Wells, Heed Building, are figuring.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Bank (alt.)**, N. W. cor. Seventh and Daphin streets. Architect, Guy King, 1513 Walnut street. Owner, Northern National Bank, on premises. Marble and cabinet interior alterations. Contract awarded to F. G. Kramer, 1601 Spring Garden street.

**Operating Room**, 406 Market street. Architect, J. T. Windrim, Commonwealth Building. Owners, Bell Telephone Company, Thirteenth and Arch streets. Brick, electric light, steam heat. Contract awarded to F. W. Van Loon, Denekla Building.

**New Church (alt. and add.)**, to building, Tatamy, Pa. Architect, Geo. E. Savage, Witherspoon Building. Owners, Evangelical Lutheran Church, Tatamy, Pa. Stone, one story, electric light. Contract awarded to Ochs Construction Company, Allentown, Pa.

**Stable and Coal Pocket**, Tenth and Diamond streets. Architects, Ballinger & Perrot, 1211 Arch street. Owners, Fretz Realty Company, 1015 Diamond street. Brick and concrete, three stories, 32x132 feet, slag roof, electric light, steam heat. Contract awarded to W. Easterbrook, 519 Commerce street.

**Association Building**, Fifteenth and Cherry streets, \$95,000. Architects, Bunting & Shrigley, 603 Chestnut street. Owners, Young Friends' Association, Fifteenth and Cherry streets. Brick, fireproof, seven stories, 85x51 feet, slag roof, electric light, steam heat. Contract awarded to R. C. Ballinger & Co., 218 North Thirteenth street.

**Factory and Office Building**, Third and Vine streets, \$80,000. Architect, D. K. Boyd, Fifteenth and Walnut streets. Owner, England Walton Co., Inc., 250 North Third street. Brick, concrete, marble or limestone, granite base, slag roof, steam heat, electric light, two elevators, six stories, six stories, 63x80 feet, blowers, etc. Contract awarded to Wm. Steele & Sons, 1600 Arch street.

**Store (alt. and add.)**, Main and Coulter streets. Architect, C. M. Wells, Rutledge, Pa. Owner, James S. Jones & Co., on premises. Brick, three stories, 55x76 feet, electric light, slag roof. Contract awarded to R. C. Ballinger & Co., 218 North Thirteenth street.

**Residence**, Wilmington, Del., \$15,000. Architect, Chas. Barton Keen, Bailey Building. Owner, James F. Nields, du Pont Building,

Wilmington, Del. Sayre & Fisher bricks, two and one-half stories, 50x30 feet, shingle roof, vapor heating, electric lighting, hardwood floors. Contract awarded to W. D. Haddock & Co., 804 Orange street, Wilmington, Del.

**Hospital-Maternity Building (alt. and add.)**, Thirty-fourth and Spruce streets. Architects, Brockie & Hastings, 328 Chestnut street. Owners, University of Pennsylvania Hospital, Thirty-fourth and Spruce streets. Brick, one story, 25x31 feet, slate roof, electric light, steam heating. Contract awarded to F. E. Wallace, 1210 Sansom street.

**Residence**, Eighteenth and Race streets. Architect, H. R. Dagit, 411 Walnut street. Owner, Archbishop E. F. Prendegast, 223 West Logan square. Granite, brownstone trimmings, stone, three stories, slag roof, electric light, steam heat. Contract awarded to Melody & Keating, Bailey Building.

**Apartment House**, Sixty-first and Ludlow streets, \$40,000. Architect, H. E. DeHoff, 48 South Sixty-first street. Owner, Wm. C. Smith, Sixty-first and Market streets. Brick, two stories, 120x115 feet, electric light, steam heat, slag roof, terra cotta. Contract awarded to F. T. Saunders, 5111 Walton avenue.

**Machine Shop**, Richmond and Norris streets, \$125,000. Architect, private plans. Owners, Wm. Cramp & Sons Ship & Engine Building Co., on premises. Concrete and brick, two stories, 140x458 feet. Contract awarded to Hoffman Engineering & Construction Co., Pennsylvania Building.

**Office Building (alt. and add.)**, 611-13 Chestnut street. Architects, Furness & Evans Co., Fourth and Chestnut streets. Owner, Dr. D. Jayne. Brick and granite, tin roof, electric light, elevators. Contract awarded to A. P. Fraim, 319 Market street.

**Garage**, Overbrook, Pa. Architects, Shore & Dodge, 608 Chestnut street. Owner, Winthrop Knowles, Overbrook, Pa. Brick, two stories, 34x22 feet, slate roof electric light. Contract awarded to McLean & Baldwin, 1626 Sansom street.

**Convent (alt. and add.)**, Mt. Airy, Phila. Architect, Geo. I. Lovatt, 410 Walnut street. Owner, Holy Cross R. C. Church, care of Father Toomey. Stone and brick, two and



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one-half stories, 25x70 feet, slate roof, electric light, steam heat. Contract awarded to Wm. R. Dougherty, 1610 Sansom street.

**Synagogue**, 3436 Paul street, Frankford, Phila. Architect, L. V. Scheer, 411 Walnut street. Owners, Hebrew Congregation, Frankford. Brick, one story, 32x48 feet. Contract awarded to J. F. Davies, 1208 Chestnut street.

**Home (alt. and add.)**, Forty-ninth and Woodland avenue, \$7,000. Architect, J. C. M. Shirk, 421 Chestnut street. Owners, Home for Incurables, on premises. Consists of alterations and additions. Contract awarded to Wm. R. Dougherty, 1610 Sansom street.

**Warehouse**, Wheatsheaf Lane and Gaul street, \$12,000. Architect, Ballinger & Perrott, 1211 Arch street. Owner, F. W. Tunnel & Co., 15 North Fifth street. Brick, one story, 243x40 feet, slag roof. Contract awarded to F. A. Havens & Son, 845 North Nineteenth street.

**Residence (alt. and add.)**, Merion, Pa. Architects, Karoher & Smith, Crozer Building. Owner, E. R. Johnson, Merion, Pa. Stone, two and one-half stories, electric light tne roof. J. S. Wilson & Co. 1125 Brown street, awarded contract.

**Residence (alt. and add.)**, 2019 Delancy street, \$15,000. Architect, Lindley Johnson, Harrison Building. Owner, Frederick Hemsley, Radnor, Pa. Brick, four stories, hot water heat, hardwood uoors, five tiled bath rooms. Contract awarded to Thos. M. Seeds, 1207 Race street.

**Sheds (2)**, Seventy-third and Elwood avenue. Architect, W. H. Cookman, Broad Street Station. Owner, Pennsylvania Flexible Metallic Tubing Company, 1305 Arch street. Brick, one story, 38x82 feet (each), slag roof. Contract awarded to E. J. Kreitzburg, 1345 Arch street.

**Mill (alt. and add.)**, Middletown, Pa. Architect, E. F. Bertolette, West End Trust Building. Owner, H. A. Romberger, Middletown, Pa. Brick, one story, slag roof. Contract awarded to David A. Hatz, Middletown, Pa.

**School (alt. and add.)**, Germantown avenue and Coulter street. Architect, Private plans, \$3,500. Owners, Friends' Select School, Germantown. Brick, electric light, steam heat. Contract awarded to R. C. Ballinger & Co., 218 North Thirteenth street.

**Residence**, Wnydmoor, Pa. Architects, Morris & Erskine, Crozer Building. Owner, H. G. Shill, care of architect. Stone, limestone, trimmings, three stories, 34x33 feet, slate roof, electric light. Contract awarded to H. E. Grau Company, 1707 Sansom street.

**Office Building**, 1418 Walnut street, \$200,000. Architect, Horace Trumbauer, Crozer Building. Owners, Cramp, Mitchell & Shober, Morris Building. Stone, brick, terra cotta, seven stories, 25x190 feet. Slag roof, electric lighting, elevators. Contract awarded to Cramp & Co., Denskla Building.

## Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

W. C. Smith (O), Sixty-first and Chestnut streets. J. T. Saunders (C), 5111 Walton avenue. Cost, \$40,000. Apartment house, two stories, brick, 32x70 feet, Sixty-first and Ludlow streets.

Wm. Ambers (O), 9026 Ridge avenue. Fleck & Freas (C), Conshohocken, Pa. Cost, \$4,300. One dwelling, three stories, 19x30 feet, brick, Roxborough, Pa.

Gregory Marchl (O), Knox and Price streets. Gaffney & Co. (C), 130 North Twelfth street. Cost, \$5,000. Bakery, two stories, 39x63 feet, brick, 161 Price street.

Powers, Weightman & Rosenbarten Co. (O), Ninth and Parrish streets. Cost, \$4,500. Tower, brick, six stories, 11x12 feet, Ninth and Parrish streets.

Steele Heddle Manufacturing Company (O), 2110 West Allegheny avenue. G. L. Sipps (C), 1635 Thompson street. Cost, \$20,000. Power house, one story, 112x225 feet, brick, 2110 West Allegheny avenue.

Roig & Langsdorf (O), 317 North Seventh street. A. A. Raff (C), 1635 Thompson street. Cost, \$9,000. Manufacturing, brick, two stories, 22x88 feet, 315 North Seventh street.

J. Wasserman (O), 3121 Wharton street. L. Levi (C). Cost, \$3,500. Dwelling, brick, two stories, 16x35 feet, 3119 Wharton street..

S. L. Logan (O), Germantown avenue. A.

James (C), Bala, Pa. Cost, \$25,000. Residence, stone, three stories, 34x60 feet, Moreland and Towanda streets.

Beyenther Estate (O), Cynwyd, Pa. Cost, \$2,000. One dwelling, two stories, brick, 15x44 feet, Forty-eighth and Parrish streets. Cost, \$18,000. Nine dwellings.

K. T. Cressman (O), Sixth and Olney avenue. Cost, \$12,800. Four dwellings, brick, two stories, 16x56 feet, 628 to 34 Chew street.

F. Wagner (O), Oak Lane. J. C. McCloskey (C), Glenside, Pa. Cost, \$6,000. One dwelling, two stories, 28x38 feet, stone, Oak Lane.

A. Ambler (O), 5508 American street. Cost, \$3,450. Two dwellings, brick, two stories, 14x42 feet, 5518-20 North American street.

J. C. Ruckdeschel (O), 4634 Girard avenue. Ed. Stonehill (C), 6325 Race street. Cost, \$30,000. Three apartments, four stories, brick, Forty-fifth and Walnut streets.

John Sherman (O), 915 Snyder avenue. Cost, \$12,000. Three dwellings, three stories, 16x56 feet, 5118-20-22 Parkside avenue. Cost, \$9,000. Three dwellings, two stories, 16x53 feet, 5119-21-23 Viola street.

Louis Ahlerd (O), 4433 Salmon street. Cost, \$3,200. Two dwellings, brick, two stories, 14x42 feet, Melrose and Orthodox streets.

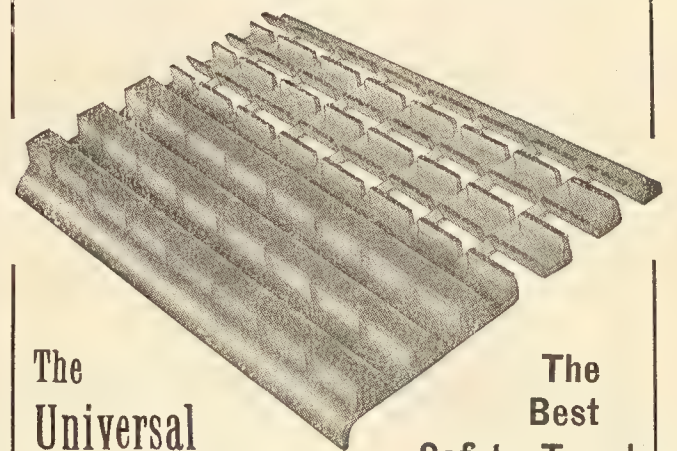
Geo. Campbell (O), 1511 Spruce street.

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United Gas Improvement Company (O), Broad and Arch streets. Cost, \$3,000. Store room, Twenty-ninth and Ritner streets.

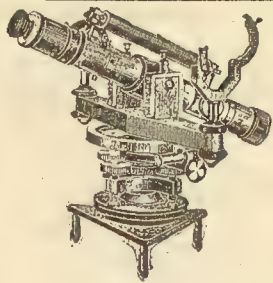
Stock Exchange (O), Philadelphia. The Roebling Construction Company (C), Land Title Building. Cost, \$30,000. Broad and Walnut streets.

A. Magliam (O), 1206 South Tenth street. Cost, \$1,400. Dwelling, 4835 Lancaster avenue.

W. J. Jennings (O), 3902 Spruce street. M. A. Gebhart (C), 5260 Rodman street. Cost, \$1,800. Store and dwelling, two stories, 16x50 feet, brick, Fourth and Montrose streets.

H. H. Pakradooni (O), 6334 Oxerbrook avenue. M. W. Young (C), Overbrook. Cost,





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Chas. H. Vendig (O), Bailey Building. Doyle & Co. (C), 1519 Sansom street. Cost, \$500,000. Hotel, brick, eleven stories, 20x50 feet, Thirteenth and Filbert streets.

A. Rutecki (O), 4546 Stiles street. B. Lebinske (C), 3250 Gaul street. Cost, \$1,725. Dwelling, two stories, 16x35 feet, brick, Duncan and Cambridge streets.

F. C. Michaelson (O), Land Title Building.

Cost, \$24,000. Eight dwellings, brick, two stories, 15x32 feet. Cost, \$3,500. One dwelling, Twenty-second and Venango streets.

Hebrew Congregation (O), Frankford. J. F. Davies (C), 1208 Chestnut street. Cost, \$8,000. Synagogue, one story, 28x76 feet, 4436 Paul street.

St. Vincent's Home (O) Seventieth and Woodland avenue. J. E. & A. L. Pennock (C), Land Title Building. Cost, \$6,000. Power house, brick, one story, 20x36 feet, Seventieth and Woodland avenue.

Wm. Reily (O), Fox Chase, Pa. Jos. Ashby (C), Fox Chase, Pa. Cost, \$3,200. Two residences, 15x28 feet Fox Chase, Pa.

H. Snowden (O), 113 West Wyoming avenue. Cost, \$42,000. Twelve dwellings, brick, 16x52 feet, Souden and Wayne avenue.

Germantown Boys' Club (O), Germantown, Pa. Turner Concrete Steel Company (C), 1314 Arch street. Cost, \$12,000. Club, two

stories, brick, 13x35 feet, Penn street and Germantown avenue.

J. N. Mitchell (O), 4 South Farragut street. J. N. Mitchell (C), 4 South Farragut street. Cost, \$6,500. One dwelling, three stories, brick, 19x70 feet, Markoe and Market streets. Cost, \$22,000. Four stores and dwellings, Markoe and Market streets.

Hopkins & Miegum (O), 1737 South Seventh street. P. Savar (C), 718 Snyder avenue. Cost, \$7,600. One store and dwelling, 19x72 feet, Leithgow and South streets. Cost, \$30,100. Seven stores and dwellings.

Leitter & Duff (O), Nicetown lane. T. Duff (C), 3648 Frankford avenue. Cost, \$2,500. Store and dwelling, brick, two stories, 16x50 feet, Indiana avenue and Gaul street.

F. C. Michaelson (O), Land Title Building. Cost, \$5,500. One dwelling, two stories, 18x65 feet, brick, Fallon and Chestnut streets. Cost, \$4,500. Two dwellings. Cost, \$27,000. Six dwellings. Cost, \$6,000. Store and dwelling. Cost, \$5,500. One dwelling.

## Alterations and Additions

J. Bell Company (O), 953 Hancock street. J. Scott (C), 1931 Willard street. Cost, \$3,000. Store and dwelling, Twenty-first and Estaugh streets.

Philadelphia Electric Company (O), Tenth and Sansom streets. A. R. Raff (C), 1636 Thompson street. Cost, \$3,000. Building, Marsden and Oxford streets.

E. W. Summerman (O), 1016 West Lehigh avenue. H. H. Wehmeyer (C), 1004 West Lehigh avenue. Cost, \$3,000. Apartments, 1016 West Lehigh avenue.

B. G. Moore (O), 802 South Forty-eighth street. Metzger & Wells (C), Heed Building. Cost, \$1,000. Dwelling, 802 South Forty-eighth street.

J. C. Brown (O), 907 Clinton street. Wm. R. Dougherty (C), 1608 Sansom street. Cost, \$425. Dwelling, 907 Clinton street.

F. B. Goldberg (O), 2438 South Seventh street. Cost, \$900. Office, Seventh and Wolf streets.

R. Leeper (O), 627 East Clearfield street. Barnes Bros. (C), 1449 Loudon street. Cost, \$600. Dwelling.

Timothy McCarthy (O), 2452 Cedar street. T. Matthews & Sons (C), 2336 Hancock street. Cost, \$950. Store and dwelling, Cedar and Letterly streets.

University Hospital (O), 3400 Spruce street. F. J. Treton (C), 2343 North Twenty-second street. Cost, \$27,450. Hospital, 3400 Spruce street.

H. O'Neill (O), Plymouth Meeting. P. O'Neill (C), 4654 Stenton avenue. Cost, \$500. Shop, 4159 Germantown avenue.

A. Martin (O), care of architect. A. Whitehead (C), 1624 Latimer street. Cost, \$7,500. Office and store, 1728 Chestnut street.

Philadelphia Rubber Company (O), Thirty-seventh and Reed streets. Stuckert & Sloan (C), Crozer Building. Cost, \$4,055. Storage house, Thirty-seventh and Reed streets.

Caroline Eickert (O), 4269 Richmond street. A. W. Williams (C), 9335 Frankford avenue. Cost, \$1,500. Dwelling, 4269 Richmond street.

B. C. Freedman (O), 624 South Seventh street. S. Lashner (C), 1700 South Fifth street. Cost, \$3,850. Store and dwelling. Cost, \$2,800. Store and dwelling.

Sam. Seidel (O), Brooklyn and Fairmount avenue. H. G. Warner (C), 719 North Forty-

second street. Cost, \$1,650. Store and dwelling, Brooklyn and Fairmount avenue.

C. A. Shetzline (O), 2033 South Broad street. F. Williams (C), 1432 Wolf street. Cost, \$700. Store and dwelling, 721 Porter street.

R. S. Brock (O), 2032 Spruce street. Joseph Price (C), 2048 Rittenhouse street. Cost, \$975. Dwelling, 2032 Spruce street.

J. L. Ketterlinus (O), 2016 Spruce street. Wm. R. Dougherty (C), 1610 Sansom street. Cost, \$1,400. Dwelling, 2016 Spruce street.

Standard Roller Bearing Company (O), Fiftieth and Lancaster avenue. Pennsylvania Construction Company (C), 14 South Broad street. Cost, \$1,900. Shed, Fiftieth and Lancaster avenue.

G. Nicolette (O), 1326 Unity street. F. Palumbo (C), 717 Christian street. Cost, \$1,900. Dwelling, 1326 Unity street.

Union Fertilizer Company (O), 897 Drexel Building. Cost, \$1,000. Warehouse, Greenwich Point.

City of Philadelphia (O), 742 City Hall. Mitchell Bros. (C), 2125 Race street. Cost, \$4,990. Public School, Germantown avenue and Wyoming avenue.

City of Philadelphia (O), 742 City Hall. Mitchell Bros. (C), 2125 Race street. Cost, \$3,685. Public School, Rhawn and Fox Chase. Cost, \$5,685. School, Fifth and Fitzwater streets.

F. C. Gillingham (O), 5401 Wayne avenue. J. P. Thompson (C), 1432 South Penn Square. Cost, \$1,200. Dwelling.

C. Schmidt & Son (O), Edward and Hancock streets. A. R. Raff (C), 1635 Thompson street. Cost, \$10,000. Power house, Edward and Hancock streets.

E. Hall (O), 806 South Forty-eighth street. A. Chambley (C), 243 South Tenth street. Cost, \$6,500. Dwelling, 806 South Forty-eighth street.

H. A. Miller (O), 6303 Chew street. Cost, \$1,000. Greenhouse, 6303 Chew street.

City of Philadelphia (O), City Hall. E. H. Sturts (C), 2614 Ridge avenue. \$2,000. School, Tenth and Snyder avenue.

E. W. Clark (O), Chestnut Hill. Stokes Brothers (C), 6723 Musgrave street. Cost, \$2,000. Dwelling, Thirty-fifth and Moreland avenue.

Philadelphia & Reading R. R. Co., Twelfth and Market streets. Cost, \$1,500. Tank, Morriston Branch.



## Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

\*\*The particular reason why concrete men owe a debt of gratitude to the bricklayers is stated by Morton C. Tuttle, secretary of the Aberthaw Construction Company, Boston, in a recent paper. He says: "The cost of cement and the labor cost of building reinforced concrete are two items unique in our day, in that they have decreased in the last few years. The labor cost has gone down in the face of higher wages, because of greater skill in planning and executing work. If this cost continues to drop, and the price of lumber and the cost of brick work continue their present rise the two constructions will eventually exchange positions. The concrete industry has to thank the bricklayers and their decreasing output per man at higher wages for much of its advance."

\*\*Nelson S. Thompson, Chief Mechanical and Electrical Engineer, office of the Supervising Architect, Treasury Department, Washington, D. C., has been appointed to represent the American Society of Heating and Ventilating Engineers at the Fifteenth International Congress on Hygiene and Demography, to be held in Washington, D. C., December 23 to 28, 1912.

\*\*Moving picture films showing concrete roads in Wayne County, Mich., and contrasting unimproved roads with roads that have been improved with concrete, have been made by the Universal Portland Cement Company. The films also show the complete process of construction. Motion pictures have also been taken of concrete road work in other parts of the country. Wherever good roads meetings are held or wherever any street or road improvement proposition is under consideration, the Universal company is prepared to make a display of its motion picture films to prove the serviceability and economy of concrete paving.

\*\*The New York Chapter of the American Society of Heating and Ventilating Engineers held its first annual dinner at Keen's Chop House, 70 West Thirty-sixth street, New York, Tuesday, May 14. Among those present were: W. M. Mackay, William J. Baldwin, Frank T. Chapman, H. J. Barron, J. A. Donnelly, D. D. Kimball, F. G. McCann, Joseph Graham, F.

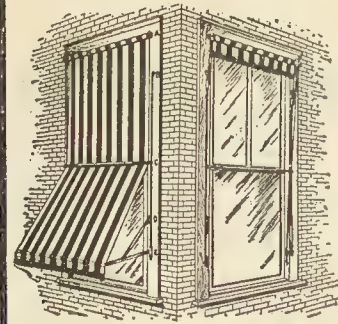
K. Chew, Conway Kiewitz, Arthur Ritter, Thomas Barwick, William J. Baldwin, Jr., W. G. R. Braemer, R. B. Hunt, A. S. Armagnac, George O'Hanlon, J. P. Lisk, George D. Farnham, E. J. Treat, P. A. Hoffman, Jack Armour, Charles E. Warsop, A. B. Marshall, James A. Swann, Homer Addams, Frank Corbett, John E. Miller, H. G. Issertell, W. G. LeCompte, F. A. Wilson, E. A. Scott, George G. Schmidt, Charles N. Beard, F. K. Davis, W. H. Driscoll, Henry Belmont and George Bergen.

\*\*June seems to become more popular every year as a time for holding conventions, four national conventions of importance having occurred this month. The American Society of Inspectors of Plumbing and Sanitary Engineers, held its annual convention in St. Louis in the early part of the month, and was followed a week later by the National Association of Sheet Metal Contractors, which held its convention in the same city. About the middle of June the National Association of Master Steam and Hot Water Fitters held its annual convention as usual at Atlantic City. The end of June will find the National District Heating Association holding its convention in Detroit.

\*\*The Pittsburgh building record in May was pretty fair. The total was \$2,485,549, as compared with \$1,148,541 in April. The month, however, made a poor showing in comparison with May, 1911, which rolled up over \$4,000,000 in permits.

\*\*The Pennsylvania Lumbermen's Association, headquarters Philadelphia, will hold its mid-summer semi-annual convention July 10 and 11 at Paxinona Inn, on the summit of Weygadt Mountain, near Easton, Pa., preceded the day before by a meeting of the directors. The program includes an interesting business session, several athletic events and a dinner the first day, with an automobile tour of the mountains on the second day.

\*\*Elbert Hubbard, the sage of East Aurora, has compiled a list of the world's twenty greatest men about which he has built an essay. Mr. Hubbard's essay is done into book form by the Roycrofters and the title is "Joseph Dixon, One of the World Makers."

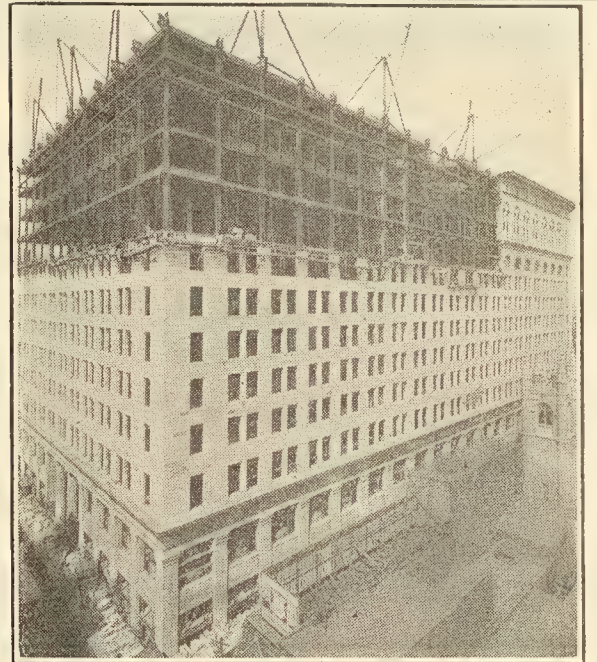


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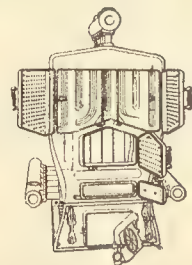
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Mr. Hubbard refers to Joseph Dixon as "a man whose work has profoundly influenced civilization, yet strangely enough, a man of whom the world at large knows little." This tribute to the founder of the Dixon Company is well worth reading, especially by those who wish to learn more of the character of this truly great genius or by those who admire Mr. Hubbard's vigorous pen. Owing to a limited edition of this booklet, copies cannot be distributed except by request. The Joseph

Dixon Crucible Company, Jersey City, N. J., will be pleased to honor such requests.

\*\*There was a special meeting of the Eastern States Retail Lumber Dealers' Association at 18 Broadway, New York, on June 5, at which time there were present delegates from all the associations composing the organization. Numerous matters of a routine nature were discussed and acted upon, but the meeting was largely executive.

\*\*Ex-Fire Chief Edward F. Croker, of New York City, will be true to his professions in building his new home at Long Beach. It will be a fireproof dwelling, built of the National Fireproof Company's hollow tile. The doors, window frames and sashes will be of metal and the beams will be of fireproofing material. Not a piece of wood will be used in the construction of the house. In case of fire in one room the door can be closed and the fire will burn itself out.

\*\*The Canadian government makes the important announcement that it has decided "to grant for a limited period, a remission of one-half the duty paid upon Portland cement and hydraulic or water lime in barrels, bags or casks." The reduction is made in response to an overwhelming demand from the West, where sufficient Canadian cement cannot be had for building operations.

\*\*The Sterling Ceiling and Lathing Company recently moved from 18 East Forty-second street to 349 East Twenty-third street,

New York City, where they occupy much larger quarters than formerly and carry a large stock of furring and lathing.

\*\*S. Pearson & Son, the contractors who constructed the Pennsylvania East River tunnels and the National Harbor at Dover, have secured the contract for the new port of Valparaiso. Four firms, including a British, a Franco-Dutch combination of contractors and a German firm, tendered for the work. The amount of the contract is about \$14,000,000 and the time allowed for the construction of the port is seven years.

\*\*The Hill Dryer Company, of Worcester, Mass., and the Hill Canton Dryer Company, of Canton, Ohio, and Worcester, Mass., have obtained contracts for the installation of their dryers in fifteen of the new fire houses in New York City. Mr. B. P. Hill, vice-president of both companies, will in the future spend the greater portion of his time at the New York office of both companies, 83-85 Sixth street, Long Island City. Associated with him in the selling end will be Mr. John Doherty, who has acted as office manager for the past three years, and Mr. E. R. Rogers, who has just joined the firm's New York office.

\*\*The steel output in some respects surpasses all records, and mills are now securing better prices. Profits, however, are very small, since prices are really low, considering the rising costs of production; and oversanguine anticipations regarding earnings during the current quarter are very likely to meet with disappointment.

\*\*Waller B. Griffen, of Chicago, architect, has received notice that his designs for the new capital of Australia have been accepted.

\*\*The Gordon-Hittl Company, 176 Federal street, Boston, has been incorporated under Massachusetts laws to engage in the manufacture of and buying and selling of paints, varnishes, coatings, shellacs, oils, and general paint supplies. Hector M. Gordon, the president, needs no introduction to the trade, having managed successfully for many years the New England business of the Sherwin-Williams Company, also the business of Harrison Bros. & Co., both of New York and New England. For the last few years he has been associated with Wadsworth, Howland & Co., as sales manager. Anton P. Hittl, the treasurer, was associated with Mr. Gordon while he was with Sherwin-Williams Company and Harrison Bros. & Co., succeeding Mr. Gordon in the management of the New England business of the latter.

#### SKEPTICISM—TOUCH AND SEE.

"If you want to know how little confidence people have in your word," said the milk toast philosopher, "paint your fence and put up a Wet Paint sign."—Exchange.

If you like the work we are doing to make "The Guide" a truly representative structural trades organ, take the trouble to write and say so. A word of encouragement helps a whole lot sometimes.



## Architectural Notes

George L. Mills, George V. Rhines, Lawrence L. Bellman and Charles M. Nordhoff announce that they have formed a partnership under the firm name of Mills, Rhines, Bellman & Uordhoff, architects, with offices at 1234 Ohio Building, Toledo, Ohio.

\* \* \*

Herbert A. Sullwold will open an office for the general practice of architecture at 1011-1012 Commerce Building, St. Paul, Minn. Catalogs requested.

\* \* \*

The New York Chapter of the American Institute of Architects has taken note of the situation with regard to the civic centre and the question of the sites for a new Federal building and post office in New York City, and has decided to be represented at the forthcoming hearing before the Senate subcommittee on appropriations at Washington. C. Grant La Farge, the president, wrote last night to Arnold W. Brunner, chairman of its Committee on Civic Improvements, to arrange for a deputation to urge the carrying out of the civic centre idea. This plan proposed the placing of the new Federal Court building on a site to the southeast of the new Court House Square and immediately north of the Municipal Building. Senator O'Gorman, who introduced a bill for the appropriation of \$5,000,000 for the purchase of new sites for the Post Office and Federal Building, has hopes that his bill will be passed at this session. But there are only a few more weeks before Congress disperses, and Postmaster Morgan has told the subcommittee that he would like to have a new separate post office building erected on the site of the present one. The civic organizations which have given the civic centre idea consideration are now endeavoring to induce the subcommittee to act with sufficient promptitude to leave time for Congress to approve the purchase of the proposed site for the Federal courts and to agree to the removal of the post office building from City Hall Park.

\* \* \*

Leen houts & Guthrie, architects, announce the removal of their offices from 102 Wisconsin street to 424 Jefferson street, Milwaukee, Wis.

\* \* \*

Philadelphia architects are united in opposition to the attempt, under way at Washington for the repeal of the Tarsney Act. A copy of the subjoined letter has been sent to each Senator and Representative from Pennsylvania:

Dear Sir: The Sundry Civil Bill (H. R. 25069), now before the House of Representatives, contains on page 28 a provision repealing the Act entitled "An Act Authorizing the Secretary of the Treasury to obtain Plans and Specifications for Public Buildings to be erected under the Supervision of the

Treasury Department and Providing for Local Supervision for the Construction of the Same," approved February 20, 1893.

This law, commonly known as the Tarsney Act, was first applied to Government work in 1897, since which time about thirty buildings have been designed and erected under it. At the time of its enactment the architecture of Government buildings was perhaps at its lowest ebb, and the marked improvement that has taken place in such buildings during the last fifteen years has been unquestionably due to the operation of the Tarsney Act. It has been the means of procuring for the Government such noteworthy examples as the Custom Houses at New York, Baltimore and San Francisco; the Post Office buildings at Cleveland, Indianapolis, New Orleans, Denver, and the new Post Office in New York, as well as other buildings of like character. The influence of the system it developed under this Act has also brought about a marked improvement in the work of the office of the Supervising Architect of the Treasury Department, although the work of that office naturally lacks, and always will lack the individual quality inherent to designs executed by private architects. It is not too much to say that the repeal of the Tarsney law would be regarded as a national calamity by our profession and other citizens interested in maintaining the highest standard of Government architecture, and the Philadelphia Chapter of the American Institute of Architects has therefore adopted the following resolution, to which it asks your careful consideration in the hope that you may see your way clear to take whatever action is necessary to retain the Tarsney law on the statute books:

"Resolved, That in the interest of good Government architecture, this Chapter urgently calls upon the Senators and Representatives of the State of Pennsylvania in Congress to oppose the repeal of the law known as the Tarsney Act."

Respectfully,

HORACE WELLS SELLERS,  
Secretary.

\* \* \*

Thanks to the courtesy of Mr. I. H. Hamilton, "The Guide is able to present the appended account of the annual meeting and banquet of the Southern Pennsylvania Chapter of the American Institute of Architects:

A very interesting banquet was given on the evening of May 24, by the Southern Pennsylvania Chapter of the American Institute of Architects at the Harrisburg Club. The attendance was marked by the presence of distinguished architects from various cities who entered into the spirit of the occasion by their excellent addresses covering the entire field of art. After the serving of a delicious dinner, the President of the Chapter, Mr. J.

A. Dempwolf, presented the various speakers of the evening.

A standing toast was proposed by Mr. John Hall Rankin, President of the Philadelphia Chapter, as a token of respect to the memory of Mr. Colbert A. McClure, of Pittsburgh, Pa. Mr. McClure was a charter member of the Southern Pennsylvania Chapter, as also of the Pennsylvania State Association of Architects, and terminated a distinguished career in the profession of architecture on April 29th last.

In the unavoidable absence of the Mayor of Harrisburgh, Mr. Arthur D. Bacon, President of Select Council, ably welcomed the Chapter to Harrisburg.

Mr. Albert Kelsey, of Philadelphia, Vice-President of the State Association, read a carefully prepared address, in which he discussed the architectural practice of to-day and thoroughly scored all who, though ignorant of the principles of architecture, attempt to practice the profession and thereby mislead the public.

A very interesting letter from Mr. Edward Stotz, of Pittsburgh, President of the Pennsylvania State Association, who was unable to attend on account of illness, was read by Mr. Leber, of York, and brought forth unstinted applause by Mr. Stotz's inimitable presentation of truths relative to architecture viewed from humorous as well as serious standpoint.

Mr. Dempwolf next presented Mr. Glenn Brown, Secretary and Treasurer of the American Institute of Architects, Washington, D. C. Mr. Brown instead of speaking of the A. I. A., as intended, preferred to dwell upon the great achievements of some of its distinguished members and spoke with emotion of the loss the entire country has sustained in the death (on the Titanic) of Mr. Frank D. Millet. He said: "The American Institute of Architects desires to pay its tribute in appreciation of the services of Frank D. Millet, an honorary member of their Association. His interests, not bound by thought of self or limited to our generation, looked only to the good of others and to the future culture and refinement of our nation. His war record, inspiring the weak, tending the wounded, producing a brilliant correspondence and securing many decorations, was known only to his intimate friends. His literary productions, clear, forceful, unfolded a tale, described a scene or recorded an event. His illustrations, graphic and spirited, depicted the vital points. His easel pictures, careful in execution, told a story and illustrated a sentiment; his decorations, historically exact, formed a harmonious part of the architectural composition. He worked untiringly, thoughtfully and effectively for the attainment of the best in mural decoration, sculpture, architecture and landscape; always seeking for a combination of the fine arts into one harmonious expression. He gave unstintingly of his artistic talents in the development of art, as one of the Municipal Art Commissioners of New York; as one of

(Continued on page 426.)



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## Editorial Comment

The importance of the Committee on Public Information as an organized appendage of chapter work throughout the United States is demonstrated anew by an attack now pending at Washington on the Tarsney Act.

This act, adopted some 15 years ago, empowers the Secretary of the Treasury at his discretion to obtain plans in competition from architects in private practice for public buildings to be erected by the Treasury Department in lieu of having these plans prepared in every instance by the government draftsmen employed in the office of the Supervising Architect.

The effect of the act has been to give the government the advantage of the finest skill in American architecture, with the result that many of the most notable buildings, architecturally, in the United States are among those erected by this method under government auspices.

Let the skill of the Supervising Architect and his assistants be what it may, it is to a degree inevitable that a certain "sameness" will show itself in work bound by the limitations of official routine. At best designs obtained in this way must perforce lack the originality and inspiration of the competitive scheme which invites the finest efforts of minds untrammelled by departmental obsessions.

No open attack is made on the Tarsney Act. Its repeal is not sought by the Treasury Department nor urged by any important public body. But, covertly, inconspicuously, surreptitiously—after the manner of men engaged in something in which they fear the light—a rider has been tacked on to the sundry civil appropriation repealing the Tarsney Act. Philadelphia Chapter promptly addressed a strong letter—a copy of which will be found on another page,—calling on the Senators and Representatives from Pennsylvania to bring about the elimination or defeat of this pernicious "rider."

It is strongly urged that every other chapter and architectural body in the United States follow suit.

David Knickerbacker Boyd, chairman of the Committee on Public Information, declares that to repeal the Tarsney Act would be to revert to the old "canned type" of architecture that prevailed in all government buildings prior to the enactment of the law. The Tarsney Act permits country-wide competition by all architects when the government contemplates erecting a new building.

In a letter to the Senators and Representatives Mr. Boyd says:

"It is not too much to say that the repeal of the Tarsney law would be regarded as a national calamity by our profession and other citizens interested in maintaining the highest standard of government architecture, and the Philadelphia Chapter of the American

Institute of Architects has therefore adopted the following resolution, to which it asks your careful consideration in the hope that you may see your way clear to take whatever action is necessary to retain the Tarsney law on the statute books:

"Resolved, That in the interest of good government architecture, this chapter urgently calls upon the Senators and Representatives of the State of Pennsylvania in Congress to oppose the repeal of the Tarsney Act."

\* \* \*

An American architect, Mr. Walter B. Griffin, of Chicago, has been awarded the first prize of \$8,750 in an international competition for plans for a new capital in Australia. "The opportunity was quite unusual," comments the New York "Evening Post," "in that it called for the designing of an entire city. Australia has acquired a federal territory four miles square, 165 miles southwest of Sydney, in New South Wales, which is to be made into another District of Columbia. An elevated plateau, it is partially surrounded by hills 200 feet high, with a stream running through it which is to be dammed, thus making possible unusual water effects. The task of the competitors was not, of course, to present designs for each of the many federal buildings—the national museum, theatre, library, the Parliament group, etc.—but to indicate on the plan the precise sites for these and many other monumental structures. It was to accomplish for Australia what Major L'Enfant did for the United States that the architects entered into competition, and it may be thought fitting that as France aided the United States to plan its capital, this older Federation of States should perform a similar service for the new Australian Federation.

\* \* \*

The "Post" article continues:

"Now, Mr. Griffin's success will have a double value, if besides awakening the world to a realization not too widely prevalent that American art in this field has become a competitor to be reckoned with, it shall make the country as a whole understand a little what giant strides the entire architectural profession has been making."

Following a reference to certain notable buildings in New York City, the editorial goes on to say:

"Whereas thirty years ago it was difficult to find a city that had a single beautiful building, it is hard to find one to-day that has not a number of them. Toledo has this winter inaugurated an exquisite art museum in a rare landscape setting. It draws visitors to that city from all surrounding towns. Who can measure its influence upon the standards of taste of those who behold it? The whole city, planning and civic centre move-



ment, the leaders of our national civic bodies, some of our magazines which deal with architecture, public and private, all deserve their share of the credit for this national architectural revival. True, we have not yet developed, or returned to a characteristic American architecture, but the trend is in that direction. The failure of so monumental a building as the New Theatre carries its lesson. That attempt to house a national theatre within a building which might have been an opera house moved bodily from the capital of some small European principality, is not likely to be repeated. If a national theatre ever comes to pass it will have an American home. But the great truth, after all, is that the nation has come to recognize architecture as a great and noble art, of value in every development of our national life. As our railroad stations have become objects of beauty—what American railroad save the new Westchester one has ever been built with an eye to beauty?—so the cash value of taste even in factories is coming to be understood. The public which will appreciate in its full significance the value of Mr. Griffin's achievement in Australia is infinitely larger than that of twenty or even ten years ago."

\* \* \*

It is a trifle comforting when one stops to think of it—the reflection that an American was able to carry off the honors in a competition of this magnitude against the best minds of the old world—and, as I am reminded while I write these lines, not only an American, but a Chicagoan! All honor to Mr. Griffin! and more power to him!

\* \* \*

From an article on "The Country Home of Reed Knox, Esq.," by John Lynne Gray, in the June number of the "House Beautiful," I am moved to quote this neat little tribute:

"With a Pennsylvania farm for its setting, could this house, so full of that spirit which pervaded the ancient Pennsylvania farmhouse, be other than successful? Credit is indeed due to the architects who designed the house, for their appreciation and recognition of a type of architecture so peculiarly Pennsylvania's own as to make the term 'indigenous' appropriate."

The architects thus complimented are Messrs. Duhring, Okie & Ziegler, of Philadelphia. Reed Knox is a son of Hon. Philander C. Knox, Secretary of State in the Taft Cabinet.

\* \* \*

Nothing can more forcibly illustrate or accurately reflect the standing of a profession than the attitude of the press with regard to its activities. For years the profession of architecture was a negligible quantity in so far as the lay press was concerned—little space being given even its more notable achievements and none at all to its routine happenings. Mark the change as exemplified by the press of to-day!

Architectural news is accepted as greedily in the office of the average newspaper of to-

day as any other class of items in the day's grist. Not only this, but let anything occur of sufficient moment to warrant the space, and the great daily of to-day will take up a theme of architectural import editorially with the same avidity with which it grabs at the note with news interest only. A week from last Monday the "Ledger," of this city, had a splendidly written editorial supporting the Tarsney Act. The New York "Post" of May 24 made the winning of the Australian competition by Mr. Griffin the subject of a fine editorial headed "Our Architectural Advance." A stirring full page tribute to the profession of architecture and Philadelphia as an architectural center appeared in the "Ledger" of Sunday last, under the misleading title, "Philadelphia as a Resort in the Summer Time." This tribute was written during his lifetime by Albert Henry Smith, professor of English language and literature in the Central High School, and found among his unpublished manuscripts. This interest on the part of the lay press in themes of architectural concern speaks well for the advance the profession has been able to make in dignity, honor and importance during the past decade. As one of the really big men in the profession wrote me recently: "It seems to me that the serious, intelligent and complimentary attitude of the daily papers towards the architectural profession, its problems and achievements is in itself worthy of comment."

\* \* \*

The "American Carpenter and Builder" is conducting a running symposium on the exact shade of differentiation possible in defining such terms as porch, piazza, portico, veranda, loggia, stoop, porte cochere, balcony and terrace. One of the contributors to the symposium submits the following definitions:

"A porch, properly speaking and discarding what I have said relative to common usage, is a covered and enclosed entrance to a building. It may be taken from the inside, having the steps inside as a sort of vestibule or simply be a covered and inclosed walk entrance on the outside. It is, however, used exclusively as an entrance and is not large.

A piazza is a covered walk or passage having a series of columns on either side supporting the covering. It is usually wide and sometimes it is so built as to give a closed effect.

A portico is strictly a colonial entrance with a series of columns supporting the covering and set comparatively close together and parallel to the entrance wall.

A veranda is a covered out of doors sitting room, wide and spacious.

A loggia is similar to a porch and veranda, but differs from a porch in that it is not strictly a covered entrance and from a veranda in that it is more elaborate and conforming strictly to the main structure in architecture.

A stoop is a small platform above steps at an entrance door and without covering, at least not supporting its covering, if any.

A porte cochere is a covered space over a driveway at an entrance door and usually at the side of building. It is sometimes closed but need not be.

A balcony is a long and narrow platform inclosed by a parapet either supported by brackets underneath or roofs from above. Is most always placed at a door or window on some upper floor and used for viewing parades, etc.

A terrace is similar to a balcony, but usually on a level with the first floor and is always roomy and uncovered."

How do the definitions here given tally with the ideas of the readers of "The Guide?" Can any of "The Guide's" readers supply a set of definitions which will serve to make the distinction in the use of the terms named clearer and easier of comprehension than as here defined? "The Guide" management will send "The Guide" for one year free to the reader sending in the clearest and plainest definition of the terms given on or before the 1st of August.

## RECENT TRADE LITERATURE.

"Gas-Electric Combination Chain Stems" is the title of an attractive folder issued by the John L. Gaumer Company, northeast corner Twenty-second and Wood streets, Philadelphia, announcing the purchase by the Gaumer Company of the patent and all rights therein to manufacture the Lawrence Patent Gas Chain. This stem will hereafter be known as the Gaumer Chain Stem. The Gaumer chain is a continuous pipe brazed in both top and bottom fittings, admitting of a perfectly smooth bore, allowing the free and clear passage of gas and the free insertion of wires. Gaumer chain can be used for straight gas, gas and electric or straight electric lighting.

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The Austral Windows Company, 200 Fifth avenue, New York City, is sending out a most attractive booklet setting forth the merits of austral fixtures for self-balancing, reversible windows, concealed transom lift and automatic sash fasteners. The Philadelphia office of the Austral Window Company is at 505 Hale Building.

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"The Story of the New Chemical Fire Engine" is a booklet issued by James Boyd & Bro., Inc., Philadelphia, advertising the advantages of the Kanawha "air pressure" chemical fire apparatus manufactured by this well-known concern. Persons interested in fire fighting efficiency will be amply repaid in this booklet for the trouble of forwarding a postal request.

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### ARCHITECTURAL NOTES.

(Continued from page 423.)

the Advisory Commission of the National Gallery of Art; as a member of the National Fine Arts Commission; as adviser to the Committees on Library of Congress; in his support of the Park Commission's plan for Washington, and in the preservation of Niagara Falls. He gave zealously of his executive ability as director of decorations and pageants at the Chicago Exposition; in securing the copyright law; in the organization of the American Federation of Arts; of the National Academy of Arts; of the American Academy in Rome, and as trustee of the Metropolitan Museum." Mr. Brown expressed the hope that the Chapter would lend its support in the establishment of a chair of fine arts to be known as the "F. D. Millet Chair," in the Academy of Rome, to the establishment of which Mr. Millet and the late Mr. C. F. McKim devoted not only their money, but their lives.

Mr. John Hall Rankin was next called upon, and after presenting the hearty greetings of the Philadelphia Chapter, of which he is President, spoke of the larger practice of architecture as applied to the planning of cities, and referred specially to the overcoming of almost insurmountable difficulties in cities such as Seattle, Washington, and Oakland, Cal., which had only been possible through the work of the best trained men in the profession.

Mr. Boyd, past President of the Pennsylvania State Association, made a plea for the establishment in each Chapter of a Committee by which the Committee on Public Information of the Institute could become a sort of clearing house for the guidance of the public in matters of architecture. Mr. Frank C. Baldwin, Second Vice-President of the A. I. A., was then introduced by the President, and in line with Mr. Boyd's suggestion advocated the publishing of a monthly magazine by the Institute, through which a better knowledge of the higher ideals of the Institute might be disseminated.

Mr. Brown was again called upon to speak of the "Lincoln Memorial," and after presenting the history of the scheme from the beginning, was followed by Mr. McFarland, of Harrisburg, who in his forceful manner denounced the scheme of a memorial road from Washington to Gettysburg as an undertaking for the benefit of men now in the field for renomination to public offices. Mr. Brown also stated that many of the Senators and Congressmen who were counted upon to help push the road scheme through were found to be only in favor of good roads, but were decidedly opposed to such roads as memorials, and especially as a "Lincoln Memorial."

The banquet came to a close as a very successful event.

\* \* \*

The annual meeting of the Southern Pennsylvania Chapter of the A. I. A. was called to order at 5 P. M. on the evening of May 23, with the President, Mr. J. A. Dempwolf,

in the chair, at the Engineers' Club, Harrisburg.

Members present were: J. A. Dempwolf, R. Dempwolf, T. H. Hamilton, M. I. Kast, Ed. Leber, C. E. Urban, W. B. Billmeyer, F. G. Fahnestock, Jr., S. Grant Johnston and C. H. Kain.

In the absence of Mr. B. F. Willis, Secretary of the Chapter, it was moved and seconded that Mr. Reinhardt Dempwolf act as Secretary pro tem.

The President made an informal annual address, in which he referred to the progress the Chapter had made in the past year, and that it was a gratification to know that its influence was being noticed by members of Congress and others, some of whom were rather surprised at its strength of organization. He also referred to the evil of bad competitions and expressed the hope that a sense of business principles and fairness in the mind of the public as well as the constancy of the members of the Chapter to the code of ethics of the A. I. A. would bring about a much better condition in the future. The Secretary's report for the year was incorporated in the minutes and Mr. Urban, Treasurer, read his report, which was accepted and handed to the Auditing Committee, composed of Mr. Leber and Mr. Billmeyer.

Mr. Willis offered the following resolution on the death of Mr. C. A. McClure, a charter member of this Chapter:

"Resolved, That it is with profound regret and sense of personal loss sustained, that the Southern Pennsylvania Chapter has learned of the death of Mr. Colbert Anderson McClure, which occurred April 29th. This minute is adopted to record its realization of the loss sustained by the Chapter by his untimely death. The unselfish labors of Mr. McClure, of the Pittsburgh Chapter, in helping to organize the Southern Pennsylvania Chapter is deeply appreciated. We came to know, by association with him, his high character, distinguished abilities and influence in promoting public recognition of the standing and dignity of his profession. As an architect his talents and achievements brought him a commanding position, not only in the city of his chosen field of practice, Pittsburgh, but his reputation, sense of honor and high ethical ideals extended far afield.

"Resolved, That a copy of the foregoing minute be sent to the firm of which Mr. McClure was member and also to his home Chapter, Pittsburgh, with expressions of sympathy and condolence."

These resolutions were adopted as read.

The Committee on Competitions reported that it had acted upon the resolutions adopted at the last regular meeting, by which letters were written from the Committee of this Chapter and also from the Competition Committee of the Institute urging the Harrisburg School Board to make a change in its Rule No. 68, whereby it should be possible to select an architect by direct appointment or by competition under the rules of the Institute.



The Nominating Committee appointed by the vice-president was composed of Mr. Leber, Mr. Urban and Mr. Hamilton, who reported for the committee that the nominations stood as follows: for President, Mr. J. A. Dempwolf; for Vice-President, Mr. B. F. Willis; for Secretary, Mr. M. I. Kast; for Treasurer, Mr. C. Emlen Urban; for Directors, Mr. J. B. Hamme and Mr. Thomas H. Hamilton, and the said officers were duly elected for the coming year.

On motion of Mr. Kast, seconded by Mr. Urban, it was proposed that Mr. John Hall Rankin be made an honorary member of this chapter, this was carried unanimously.

The chairman of the Committee on Historic Monuments reported progress and at the same time launched a discussion on the subject of

the Preservation of the Tower of Zion Reformed Church at York, Pa. It was urged that an effort be made to have the tower repaired by public subscription or moved to a safer location elsewhere as a monument with the addition of an appropriate base to the same. The report was accepted.

In the absence of Mr. Hamme, Mr. Leber reported for him that efforts were being made to increase the membership and urged each member of the chapter to keep a lookout in this respect and report any eligibles to the committee.

It was unanimously resolved to give a hearty vote of thanks to the Engineer's Club of Harrisburg for the use of their rooms during the meeting of the chapter.

After a short discussion of the membership question, the meeting adjourned.

few indeed. In dress, for example, a man who'd wear a red necktie or tan shoes in evening dress, or a diamond pin in a negligee shirt, or a woman who'd affect a beplumed opera hat with a boating suit, any and all of these would be set outside the pale by all people who had any idea as to what was what. There are thousands, of course, who would applaud any such combination. They don't know differently, they are the untutored, the "proletariat," to whom the possession of a diamond or an opera hat would seem quite sufficient excuse and justification to trot it out upon any and all occasions. But to say that they do not count, that their opinions and likes and dislikes are of no consequence is a sad error indeed. It should be the aim of every cultivated, artistic, trained man to help reform the depraved, so-called "popular taste," to do everything so daintily, so well that that rude public will bye-and-bye appreciate the really artistic. Show that public nice things, accustom it to their use and you'll find that same public a far more apt pupil than you imagine. The power of suggestion is great. Do with the artistic as Jacob of old did with the speckled rods!

Our newspapers and our playwrights, it seems to me, have taken the wrong tack. They dwell upon the sensational, the crude, they pander to a depraved taste, they call "popular," and aver that it is because that taste demands those things that they give them to the public. I believe that they have cultivated that taste, encouraged it, yes, almost created it and now it is but a natural consequence that since the popular appetite has been fed that kind of pabulum it should clamor for more and even more highly seasoned provender of that nature. But, even at this late date, I am sure that if the papers and the theatres worked in harmony and with that object well in mind they are potent enough to effect the Renaissance of the decent, the true and the noble in popular taste and it would not be long before that taste would demand just that sort of thing and not tolerate anything that was otherwise. An appalling load of responsibility rests upon the shoulders of these great moulders of popular opinion, popular taste, these men who virtually make the morals of the nation, and they are recreant to their trust indeed when they deliberately and for a few filthy dollars set to work to deprave either!

And an almost equally grave responsibility rests upon our shoulders, the men who profess to do artistic things, the designers, the architects, the painters, the musicians, the makers of fashions, all who are supposed to "design." Naturally the public looks to us as leaders. Are we so in the right sense or are we just pot-boiling hacks?

Probably I will be classed with the iconoclasts or with those beyond the pale, the heterodox, for not right here and now clamoring for an abject following of this or that school of design, this or that hide-bound scheme of design, the much-worshipped Regular, the Accepted, the Orthodox. Our architects and in fact all our artistic people, sin, methinks, in

## GOOD DESIGN AND ITS ANTITHESIS

### A Breezy Handling of a Very Old Theme by an Architect Who is Not Afraid to Call a Spade a Spade

Yes; there is good design and bad design, the artistic and the ugly. And that differentiation is not limited to things important and big and that we generally associate with art, but distinguishes the most humble, aye, the trifling detail, writes F. W. Fitzpatrick in "The Western Architect." You expect "design" in a fine lady's fine ball-dress or in a grand monumental building; you hardly look for it in a coal scuttle or a telegraph pole. Yet there are attractive, yes, beautiful coal scuttles and ugly, repellant coal scuttles and ditto telegraph poles. To have either one of these attractive and beautiful it is not necessary to make them elaborate, costly, extraordinary or unserviceable. Indeed the more thoroughly utilitarian they and all other things that may be designed are and appear to be, the better. The great scheme is to make them beautiful in their "serviceability." But now, really, what constitutes beauty, what is beauty, and how may we set about defining "design" in so far as its generally accepted meaning is concerned? One speaks of designing a motor or a suction-pump. I am not referring to that species of design, the application of mechanical sciences, the reference or relation of one working part of a machine, for instance, to another, but rather do I refer to the term in its application to the clothing of a mechanical or other skeleton, the garbing of matter generally, the finishing touches we may put upon most anything after the essentials for its purpose are provided.

You can't get away from the fact that in considering "design" in that light, or, for that matter, anything else artistic, your or my judgment is altogether a matter of personal preference. Even if our training and prejudices and usual environment are much the same we may differ radically in our judgment

as to what is and what is not artistic, good design, and both be perfectly justified, for there are no hard and fast rules, few controlling precedents and nothing but the most fundamental, elementary basic principles upon which to work.

At law, everything is rule and precedent. If Judge Smith or Judge Jones said, sixty years ago, that such and such was the proper caper, he based his opinion of the rights in a comparatively new situation upon what had been decided forty years before anent something that, at least, remotely resembled that case. And every judge since then has founded his finding, his opinion upon the precedent established by the aforesaid Judge Smith or Judge Jones. And it has become law and has been written so. Law is seasy. You just dig until you find enough rulings that fit your case and whether you're right or wrong—equity be hanged!—if the other lawyer hasn't found sufficient rulings to counterbalance the results of your research, why, you're all right.

Not so in the field artistic, in design. Pick out any three men as judges in the matter of a design for a building, a dress, a stage scene, anything artified. Suppose they are able, bright, scholarly men and of about equal attainments and that they go at the matter with equal enthusiasm and interest. The chances are about one in a thousand that they'll agree even upon the major, the salient points. Personal preference, different points of view, temperament, all those things cut so much figure. Practically, there is no such thing as scientific criticism. Even one's digestion cuts a figure. What will please you to-day may, on account of some freak of that digestive apparatus, seem all upside down to you to-morrow and call forth anathema from you.

There are some cardinal principles upon which all cultivated people agree, but they are



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### SEALED PROPOSALS, ENDORSED

"Proposals for Replacing Roofing of Storehouse and of Magazine No. 7," will be received at the Bureau of Yards and Docks, Navy Department, Washington, until 11 o'clock A. M., July 13, 1912, and then and there publicly opened, for replacing roofing of storehouse and magazine No. 7 at the Naval Magazine, Fort Mifflin, Pa. Plans and specifications can be obtained on application to the Bureau or to the Commandant of the Navy Yard, Philadelphia, Pa. H. R. STANFORD, Chief of Bureau, June 12, 1912.

TREASURY DEPARTMENT, OFFICE OF the Supervising Architect, Washington, D. C., June 14, 1912.—Sealed Proposals will be received at this office until 3 o'clock P. M. on the 26th day of July, 1912, and then opened for the construction, including plumbing, gas piping, heating apparatus, electric conduits and wiring, and interior lighting fixtures, of the extension, remodeling, etc., of the United States post office at Oil City, Pa., the extension to be one story and basement of approximately 1,227 square feet ground area; stone faced; tin roof; fireproof construction. Drawings and specification may be obtained from the custodian of site or at this office at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect.

TREASURY DEPARTMENT, OFFICE OF the Supervising Architect, Washington, D. C., June 15, 1912.—Sealed Proposals will be received in this office until 3 o'clock P. M. on the 6th day of August, 1912, and then opened, for the construction complete (including plumbing, gas piping, heating apparatus, electric conduits and wiring, and interior lighting fixtures and approaches) of the United States post office at Carrollton, Ga. The building is of two stories and basement and has a ground area of approximately 3,800 square feet, non-fireproof construction, stone, brick, and stucco facing, terra cotta cornice and tin roof. Drawings and specifications may be obtained from the Custodian of site at Carrollton, Ga., or at this office, at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect.

that direction, the worship of the fad, the aping of something of other times and climes and that is forced into commission for all purposes and at all times because, forsooth, someone they thought in authority said it was the proper caper. They have become copyists, they have choked originality; they have made cultivation subservient and secondary to mere schooling, learning certain setphrases by rote. In architecture everything has to be classic. It is inappropriate in most modern buildings, it is untruthful in construction—

according to modern and necessary methods—but it's the thing to do. No man can go into greater rapture over a noble old Greek Temple in its own settings than can I, but, ye gods, it makes me champ at the bit to see a modern interpretation of that same Greek Temple cocked on a twenty-foot lot, in a busy street, doing duty as a real-estate office or a tailor's shop. And so it is with all the other arts. The schooling miscarries. It is intended to bring out what is good in the individual, to incite and to aid what there may be of genius, while in reality it stifles, stunts and destroys what little there may have been originally. Take in music, for instance. How many youngsters do you know who really had music in them, but had it all beaten out with over-training, misdirected, schooling? It may be a depraved taste, but I enjoy playing or singing by one who does it "by ear" alone. There is more chance of getting melody, real music, out of him. Your school product aims only at the topnotch, it becomes mere technique, it is strained, it may be correct but I'm hanged if it's agreeable or pleasing, there's nothing spontaneous about it; it's but a lot of technical fire-works, musical acrobatic feats. So in painting, why all the fuss as to whether a picture be of the Impressionist school, Preraphaelite, or Jim Jones' following? Why squabble over the technique? If it tells a story well, if it looks like what the thing it portrays, seems to us, if it appears real, what the mischief does it matter whether it be done with a knife or that the artist put the color on with a shot gun or a camel's hair brush or in the manner the Great Tom, Dick or Harry may have decreed it should be done? It's like the government work. The purpose is forgotten in the means of securing the end. It matters really little about the account that is to be paid, for example, so long as the red tape part, the filing, the auditing is right up to Hoyle. It costs more to supply the frills about the doing of the work than does the work itself. And that's the tendency of our present-day schooling—faddism, fool-away our time with the husks and the chaff and paying scant attention to the grain.

In design, and it enters into well nigh everything we do, fads and especial schools, should be relegated to their proper place, a very secondary place, and, it seems to me, the real principles should be taken out of the cupboard where they have been hidden, they should be well dusted and conspicuously placed where all of us who "design" should see them constantly.

Let us study well the purpose for which a design is made, let it be a building, a chair, a street car, let us first and foremost accomplish the purpose the thing is for, in the most direct, simple, and effective manner possible that will be one of its chiefest charms and consequent beauty; never under any circumstances, let us sacrifice one whot of that directness, real utility and fundamental purpose to what we may mistakenly deem art. Then, if there be money to adorn that purpose let us do it with grace, sobriety and refinement.

Let the adornment emphasize and accentuate the purpose of the thing; never let us try to befuddle the people into thinking that that which is under the adornment is other than it really is. Far be it from us to ever force an issue, as it were, create a condition merely as a conveyance, a medium for the "artistic" in our design. Let us saturate ourselves with beauty at our schools or elsewhere, but chiefly in observing nature, beautiful scenery, graceful animals, the glorious coloring of a sunset or a storm, and let us as carefully cultivate all that is within us of refinement. Let that decoration be appropriate. Supposing a dress; let it be as flouncy and brilliant and gorgeous and rich as the occasion warrants and the wearer can stand, but let it be a dress and show its lines of construction, let it be draped with all the artistry at one's command, but let that drapery appear natural, logical, as if the gown were really draped from the shoulders or the hips. It's the unnatural, the forced, I rail against; the dress that seems to have been applied, gotten into through some special dispensation of a too complaisant Providence. I don't mind the hats that are the vogue to-day, the soup-bowl affairs of felt or of fur. So long as the bottom edge is turned up into some semblance of the rim of what has ordinarily passed for a hat, you may beat it and dent it and kick it, and torture it into however rowdyish and hoydenish a shape you wish and stick a feather in it just as rakish as you wish. But I do growl when you cut that rim into impossible shapes, fasten it on with rivets and angle iron where the top ought to be and attempt the rakishness by such dents and forced effects as you could naturally expect to accomplish only with a trip-hammer on boiler-plate.

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Number of transfers.....	659
Amount of transfers.....	\$2,205,110.00
Cash consideration .....	383,960.00
Mortgage consideration .....	1,821,150.00
Ground rent consideration.....	2,379.67
Which on a six per cent basis amounts to .....	39,661.18

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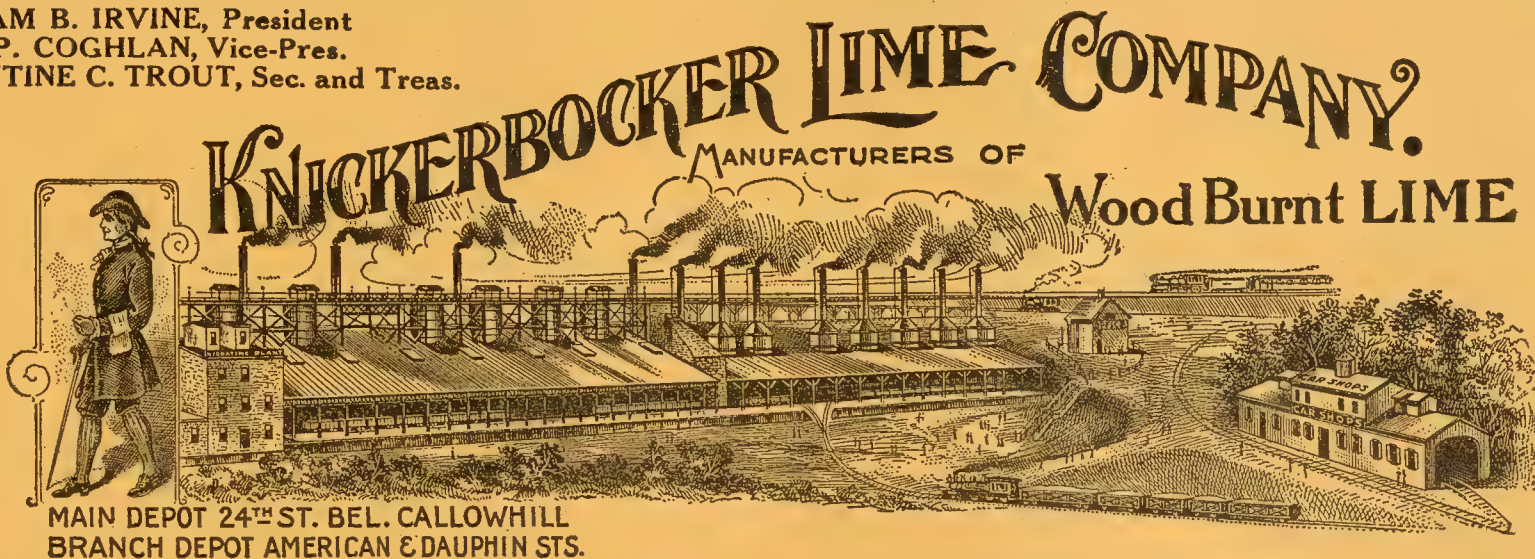
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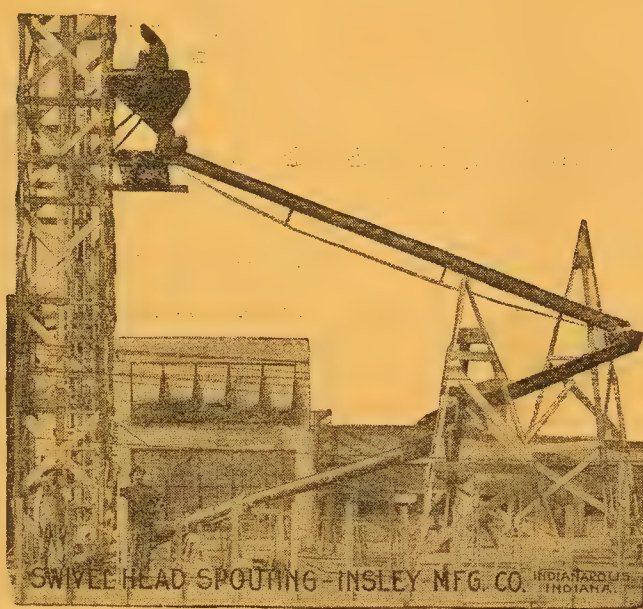
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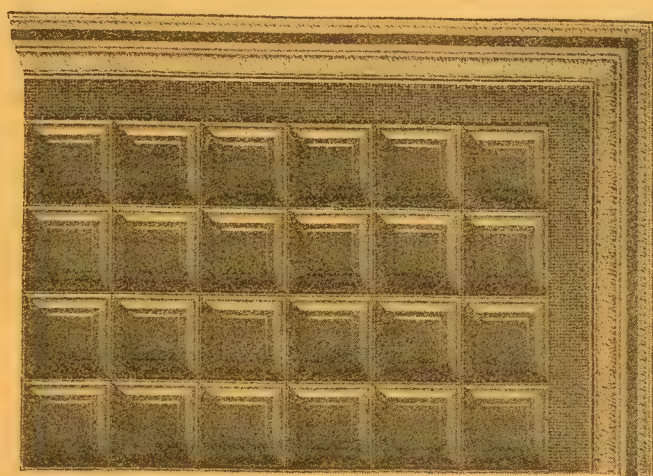
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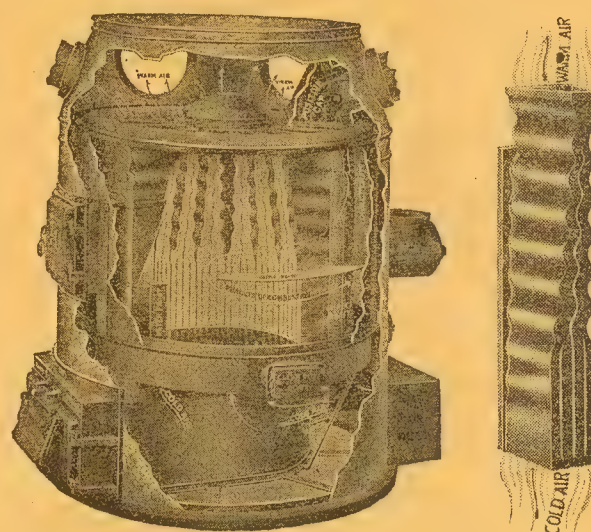
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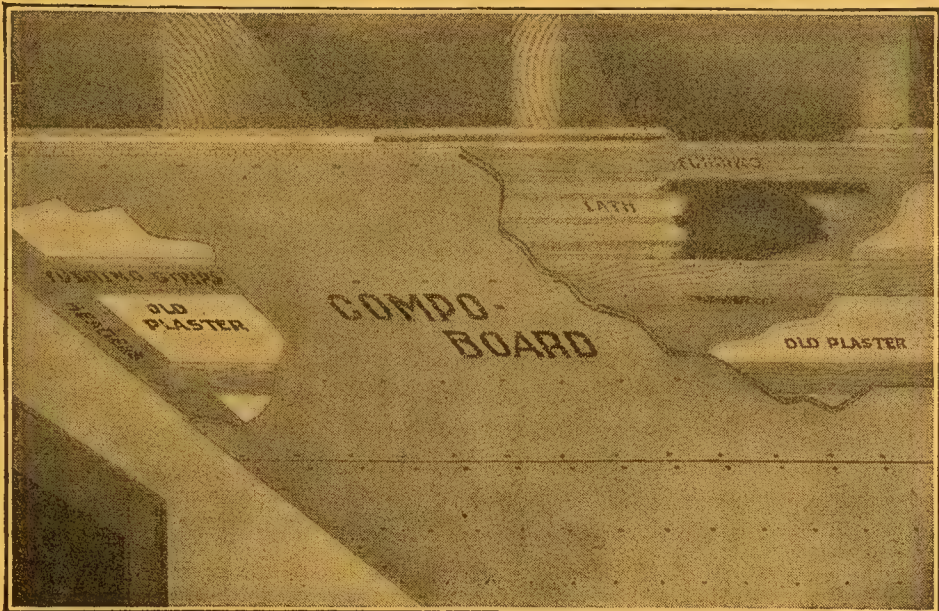
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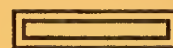
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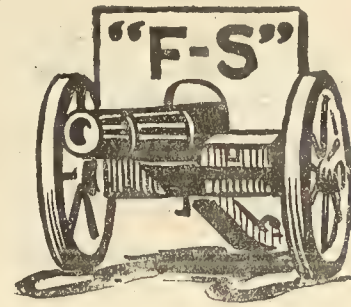
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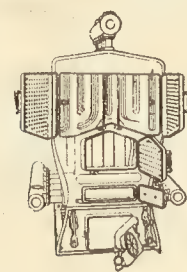
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# Builders' Guide

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Vol. XXVII., No. 27.

PHILADELPHIA, WEDNESDAY, JULY 3, 1912.

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## Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Church (alt. and add.),** Twentieth and Cherry streets. Architects, Horace Wells Sellers, Stephen Girard Building. Owners, St. Clements' Church, on premises. Stone, one story, slate roof. Architect taking bids due July 2. The following are figuring: J. Myers & Sons, Witherspoons Building; A. H. Williams & Sons, 419 Locust street; A. Whitehead, 1624 Latimer street.

**Bank,** Mays Landing, N. J. Architect, Guy King, 1513 Walnut street. Owners, First National Bank, Mays Landing, N. J. Stone and brick, two stories, 29x46 feet, slate roof, electric light, hot water heat. Architect taking bids due July 20. The following are figuring: Knauer Construction Company, Atlantic City, N. J.; P. Hannum, Atlantic City, N. J.; W. H. Owens, Fort Norris, N. J.; Jos. Steeman, Bridgeton, N. J.

**Bungalows (2),** Manumuskim, Cumberland County, N. J. Architect, Guy King, 1513 Walnut street. Owner, Wilson Banks, Manumuskim, Cumberland County, N. J. Frame, one story, shingle roof. Plans in progress.

**Store Building,** 123 South Thirteenth street. Architects, Stuckert & Sloan, Crozer 16x92 feet, slag roof, steam heat. Architect taking bids due July 3. The following are figuring: John Duncan, 920 Walnut street; Alex. Chambley, 243 South Tenth street; Wm. R. Dougherty, 1610 Sansom street; Haibach Contracting Company, Twenty-sixth and Thompson streets; Jacob Myers & Sons, Witherspoon Building; Cramp & Co., Denckla Building; John R. Wiggins & Co., Heed Building; Metzger & Wells, Heed Building.

**Y. M. C. A. Building,** Fifty-second and Sansom streets. \$200,000. Architect, Horace Trumbauer, Land Title Building. Owner, West Philadelphia Branch, Y. M. C. A. Brick, granite, terra cotta and steel, fireproof, four stories, 120x190 feet, slag roof (plumbing and heating reserved). Architect taking bids due July 8. The following are figuring: Jas. G. Doak & Co., Crozer Building; Abel Bottoms & Sons Co., 41 South Fifteenth street; Geo. F. Payne & Co., 401 South Juniper street; John R. Wiggins & Co., Heed Building; F. L. Hoover & Sons, Builders' Exchange; Thomas Reilly, 1618 Thompson street; A. R. Raff, 1635 Thompson street; B. Getcham's Sons, 1029 Brown street.

**Court House,** Media, Pa. Architects, Brazer & Robb, 1133 Broadway, New York City. Owners, Delaware County, Media, Pa. Brick and stone, two stories. Owners taking bids

due July 29. The following are figuring: H. L. Brown, 1714 Sansom street; A. Bottoms & Sons Co., 41 South Fifteenth street; Alex. Chambley, 243 South Tenth street.

**Factory,** Holmesburg, Pa. Architect, Private plans. Owner, American Manganese Bronze Company, Holmesburg, Pa. Brick and steel, one story, 30x120 feet, slag roof, electric light. Owners taking bids due July 5. The following are figuring: F. W. Van Loon, Denckla Building; Armstrong & Latta, Land Title Building.

**Hospital (add.),** Susquehanna avenue and Howard street. Architects, Watson & Huckel, 1211 Walnut street. Owners, Kensington Hospital for Women, on premises. Brick, concrete, fireproof, four stories, 30x87 feet, electric light, steam heat, slate roof. Architect taking bids due July 6. The following are figuring: Philip E. Haibach, Twenty-sixth and Thompson streets; Jas. Johnson, 1721 Ludlow street; A. H. Williams, 419 Locust street.

**Apartments (alt. and add.),** 1100-02 South Forty-sixth street. Architect, Private plans. Owners, Chas. F. Bonsor. Brick, three stories, slag roof, electric light, hot water heat, A. Bottoms & Sons Co., 41 South Fifteenth street, are taking sub-bids.

**School,** East Lansdowne, Pa. Architect, W. W. Cochran, East Lansdowne, Pa. Owners, Board of Education, East Lansdowne, Pa. Stone, two stories, shingle roof, electric light, steam heat. Revised plans in progress. Owners will take bids in a few days.

**School,** Montclair, N. J. Architect, J. G. Rogers, 11 East Twenty-fourth street, New York City. Owner, Board of Education, N. J. Brick and terra cotta, three stories, 126x138 feet, maple floors, slag roof, electric light, steam heat, six toilet rooms. Owners taking bids due July 5. In addition to those previously reported, A. Bottoms & Sons Co., 41 South Fifteenth street, is figuring.

**Residence (alt. and add.),** Bryn Mawr, Pa. Architect, H. W. Sellers, Stephen Girard Building. Owner, Otis Skinner, Bryn Mawr, Pa. Plaster, one story, shingle roof, electric light. Architect has received bids.

**Residence and Garage,** Merion, Pa. \$12,000. Architect, Chas. Barton McKes, Bailey Building. Owner, Van Court Carwithin, Mariner & Merchants' Building. Stone, two and one-half stories, 30x55 feet, tile roof, hot water heat, electric light, hardwood floors. Architect taking revised bids due July 2. A. L.

Fretz & Son, 1222 Chancellor street (only bidder), are figuring.

**Passenger Station,** Stone Harbor, N. J. Architect, H. L. Reinhold, 1309 Walnut street. Owners, South Jersey Realty Company, Real Estate Trust Building. Frame, one story, 15x40 feet, shingle roof, electric light, two toilet rooms. Plans completed. Owners will take bids.

**Milk Depot,** Forty-seventh and Lancaster avenue. Architect, Walter Smedley, Stephen Girard Building. Owner, Ed. W. Woolman, on premises. Brick, concrete, terra cotta and granite, two stories, 82x100 feet, enameled brick, asbestos roof, electric light, steam heat. Architect taking revised bids due July 2. The following are figuring: Metzger & Wells, Heed Building; R. C. Ballinger & Co., 218 North Thirteenth street; J. E. & A. L. Pennock, Land Title Building; Wm. R. Dougherty, 1608 Sansom street.

**Train Sheds,** Pittsburgh, Pa. Architect, M. A. Long, Baltimore, Md. Owners, Baltimore & Ohio R. R. Co., Baltimore, Md. Steel and wood, one story, 50 feet long, slag roof. Owners taking bids due July 5. Irwin & Roydhouse-Arey Company, Fidelity Building, are figuring.

**Parrish House,** Firth and Collins streets. Architects, Geo. Nattress & Sons, Twelfth and Walnut streets. Owners, Protestant Episcopal Church of the Good Shepherd. Stone, two and one-half stories. Plans in progress. Too early for details.

**Hall Building (alt. and add.),** Jenkintown, Pa. Architects and engineers, W. Steele & Sons, 1600 Arch street. Owner, John Wanamaker, Thirteenth and Chestnut streets. Brick and limestone, two stories, electric light, steam heat, slag roof. Architect taking sub-bids.

**Bank,** Baltimore, Md. Architect, Wyatt & Nolting, Keyser Building, Baltimore, Md. Owners, Robt. Garrett & Sons, Baltimore, Md. Brick and limestone, eleven stories, 50x100 feet, electric light, steam heat, slag roof, elevators. Architect has received bids.

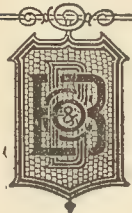
**School,** Third and Mifflin streets. \$300,000. Architect, J. H. Cook, City Hall, Philadelphia. Owners, Board of Education, City Hall. Brick and stone, four stories. Plans in progress. Owners will take bids in about a month.

**Factory Building,** 1304 Vine street. Architect, C. E. Oelschlager, Harrison Building.



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Brick, three stories, slag roog, electric light. Architect has received bids.

**Factory**, Second and Ashdale streets. Architect, Jas. G. Brown, Witherspoon Building. Owner, Germantown Tool Works, 518 Commerce street. Brick, one story, 100x280 feet, slag roof, electric light. Revised plans in progress.

**Bungalow**, Winston-Salem, N. C. \$75,000. Architect, Chas. B. eKen, Bailey Building. Owner, R. J. Reynolds, Winston-Salem, N. C. Fireproof, two and ose-half stories, 125x50 feet, electric light, hardwood floors, tile roof, atmospheric heat. Plans completed. Architect will take bids in about ten days.

**Warehouse**, Verona, Pa. Architect, A. Keiser, Superintendent Conemaugh Divisiois of the Pennsylvania Railroad. Owners, Pennsylvania Railroad. Brick and concrete, slag roof, electric light. Owners taking bids due July 6. Roydhouse-Arey Company, Fidelity Building, asd Linker-Losse Company, Heed Building, are figurisg.

**Residence**, Overbrook, Pa. Architects, Bailey & Bassett, 421 Chestnut street. Owner, J. H. Reading, Jr., 1811 Green street. Brick, three stories. Architect has received bids.

**Passenger Station**, Rahway, N. J. Architect, W. H. Cookman, Broad Street Station. Owners, Pennsylvania Railroad Company, Broad Street Station. Brick, granite and terra cotta, one story, 43x45 feet, steam heat, tile roof, electric light, two toilet rooms. Architect taking bids due July 8. The following are figuring: Roydhouse-Arey Company, Fidelity Building; M. P. Wells, Witherspoon Building; Irwin & Leighton, 126 North Twelfth street; E. L. Bader, Atlantic City; Carrington Construction Company, Jersey City; J. Thatcher & Sons, 60 Park avenue, New York; M. Brynes Building Company, Elizabeth, N. J.; W. E. Smith, 1 Madison avenue, New York; J. S. Rodgers & Co., Moorestown, N. J.; W. H. Fissell & Co., St. James Building, New York.

**Post Office**, Hanover, Pa. Architect, James A. Wetmore, Treasury Department, Washington, D. C. Owner, United States Government Treasury Department. Brick, stone and steel, fireproof, one story, copper roof. Steam heating, electric lighting. Owners taking bids due July 22.

**Residence**, Merion, Pa. \$100,000. Architect, James Russell Harris, 1001 Chestnut street. Owner, Percival E. Foerderer, Pennsylvania Building. Hollow tile and plaster, two and one-half stories, 80x30 feet, tile roof, hardwood floors (plumbing and heating reserved). Architect taking bids due July 9. The folowing are figuring: Metzger & Wells,

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**N. E. Cor. 22d and Wood Streets**

Heed Building; Thos. M. Seeds, 1207 Race street; A. R. Raff, 1635 Thompson street; J. S. Cornell & Son, Land Title Building; H. L. Brown, 1714 Sansom street; Geo. Kessler, Drexel Building; E. F. Bender, 6014 Torresdale avenue.

**Riding Academy**, Twesty-fifth and Fairmount avenue. Architects, Sauer & Hahn, 1110 Chestnut street, Philadelphia. Owners, J. & W. Briggs, Twenty-third and Chestnut streets. Brick, two stories. Plans in progress.

**Residence (alt. and add.), New Garage**, 1726 Girard avenue. Architects, Sauer & Hahn, 1110 Chestnut street. Owner, Geo. W. England, 235 South Fifth street. Brick, three stories, garage, brick, two stories, slag roof, electric light, heat and four bath rooms. Residence. Architects have received bids.

**Warehouse**, Tenth and Berks streets. \$250,000. Architects and engineers, Wm. Steel & Sons, 1600 Arch street. Owners, N. Snellenburg & Co., Twelfth and Market streets. Brick and concrete, ten stories, 175x300 feet. Plans in progress.

**Residence**, Moylan, Pa. Architect, Lincoln H. Smith, 5950 Spruce street. Owner, Lewis Miller, care of Pennsylvania Railroad. Plaster, two and one-half stories, 24x36 feet. Electric lighting, slate roof, hot water heat, two bath rooms. Architect taking revised bids, due July 5th. E. J. Kreitzburg, 1345 Arch street, and J. B. Flounders, 1329 Arch street, are figuring.

**Bank and Office Building**, Bethlehem, Pa. Architect, E. Z. Scholl, Reading, Pa. Owners, Bethlehem Trust Company, Bethlehem, Pa. Granite, brick, terra cotta, brownstone, five stories, 50x70 feet. Slag roof, electric lighting, elevators, (plumbing and heating reserved). Architect taking bids, due July 5th. The following are figuring: Metzger & Wels, Heed Building; H. L. Brown, 1714 Sansom street; D. H. Sharp, Reading, Pa.

**Warehouse (add.)**, Wheatsheaf lane and Gaul street. Architects, Ballinger & Perrot, 1211 Arch street. Owners, F. W. Tunnel & Co., 15 North Fifth street. Brick, one story, slag roof. Architect taking bids, due July 5th. The following are figuring: B. Ketchams' Sons, 1029 Brown street; F. A. Havens, 845 North Nineteenth street; H. H. Burrell, 1204 Chancellor street; P. Haibach, Twenty-sixth and Thompson streets; H. E. Baton, Tenth and Sansom streets; A. Whitehead, 1624 Latimer street; W. R. Brown, 2145 East Firth street.

**Residence (alt and add.)**, Devon, Pa. Architects, Wilson, Eyre & McIlvaine, 1003 Spruce street. Gwner, J. Hampton Barnes, Morris Building. Stone and plaster, electric lighting two hot air heaters. Architect taking bids, due July 10th. The following are figuring: A. Whitehead, 1624 Latimer street; J. S. Cornell & Son, Land Title Building; John Duncan, 920 Walnut street; Charles Z. Jones, Berwyn, Pa.

**Residences and Stores (7) (alt. and add.)**, 1413 to 25 Point Breeze avenue. Architects, Barnet J. Medoff & Son, 524 Walnut street. Owners, Milgram Brothers, 1802 South Sixth street. Brick, two stories, slag roof, hot air heating, electric lighting. Architects taking bids. The following are figuring: Fred Quate, 1323 Snyder avenue; M. Kirschner, 421 Snyder avenue; Jacob Gorchoy, 317 Reed street; M. Lazaroff, 1418 South Sixth street.

**Residence**, St. Davids, Pa., \$100,000. Architect, D. K. Boyd, northeast corner of Fifteenth and Walnut streets. Owner, Charles S. Walton, Third and Vine streets. Stone, two and one-half stories, 125x60 feet. Tile roof, electric lighting, hardwood floors, atmospheric heat. Plans about completed. Architect will take bids in a few days.

**Residence and Garage**, Reading, Pa., \$50,000. Architects, Zantzinger, Barie & Medary, northeast corner of Fifteenth and Walnut streets. Owner, John D. Horst, Reading, Pa. Stone, two and one-half stories, 162x50 feet. Slate roof, hot water heating, hardwood floors, electric lighting. Architect taking bids, due July 11th. The following are figuring: Stokes Bros., 6723 Musgrave street; J. Sims Wilson Co., 1125 Brown street; Pringle Borthwick, 8018 Germantown avenue; H. H. Burrell, 1204 Chancellor street; William A. Sharp, 1208 Eckert avenue, Reading, Pa.; Daniel H. Hunter, 820 North Eleventh street, Reading, Pa.

**Residence**, St. Davids, Pa., \$30,000. Architects, Zantzinger, Borie & Medary, northeast corner Fifteenth and Walnut streets. Owner, A. G. Rosengarten, 2212 De Lancey street. Stone or hollow tile and stucco, two and one-half stories, 75x33 feet; wing, 25x30 feet. Shingle, slate or tile roof, hot water heating; hardwood floors, electric lighting. Architect ready for bids.

**Cottage**, Cape May, N. J., \$7,000. Architects, Zantzinger, Borie & Medary, northeast corner of Fifteenth and Walnut streets. Owner, W. J. Sewell, Jr., St. Martins, Philadelphia. Frame, two and one-half stories, 35x53 feet; wing, 17x30 feet. Asbestos shingle roof, electric lighting. Plans about completed. Architect will take bids in about one week.

**Residence (alt. and add.)**, Villanova, Pa. Architect, George T. Pearson, 427 Walnut street. Owner, T. Wistar Brown, on premises. New porch, stone and frame. Architect taking bids, due July 7th. Stacey Reeves & Sons, 1609 Filbert street, are figuring.

**Theatre and Office Building**, Birmingham, Alabama. Architect, C. K. Howell, Richmond, Va. Owners, Lyric Theatre Company, Birmingham, Ala. Brick and stone, four stories, 100x140 feet. Elevators, electric lighting, steam heating, slag roof. Architect taking bids, due July 9th. H. L. Brown, 1710 Sansom street, is figuring.

**Theatre**, Philadelphia, \$350,000. Architect, F. Webber, Morris Building. Owner's name withheld. Brick and terra cotta, one story, 120x240 feet. Slag roof, electric lighting, steam heating (fan system). Architect taking bids, due July 12th. The following are figuring: Cramp & Co., Denckla Building; J. W. Emery, 1524 Sansom street; Fuller Construction Company, Morris Building; Thompson Starrett Company, 51 Wall street, New York City; Stacey Reeves & Sons, 1 07 Sansom street; B. Ketcham's Sons, 1029 Brown street; J. R. Wiggins, Heed Building; George Pawling Company, Broad and Vine streets.

**Engine Room (add.)**, Radnor, Pa. Architect, J. A. B. Caisfield, Engr., Broad and Arch streets. Owners, Merion and Radnor Gas and Electric Company, Broad and Arch streets. Brick, two stories, 24x49 feet. Slate roof. Owners taking bids, due July 5th. J. G. Doak & Co., Crozier Building, are figuring.





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**Barn and Stable**, Chalfonte, Pa. Architect, W. L. Blithe, 608 Chestnut street. Owner, E. K. Bready, care of Girard orsted Company, Howard and Huntingdon streets. Stone and frame, one and one-half stories, 150x125 feet. Slate roof. Owner is taking sub-bids.

**Residence**, St. Davids, Pa., \$30,000. Architects, Zantzinger, Borie & Medary, northeast corner of Fifteenth and Walnut streets. Owner, A. G. Rosengarten, 2212 De Lancey street. Stone or hollow tile and stucco, two and one-half stories, 75x33 feet; wing, 25x30 feet. Shingle, slate or tile roof, hot water heating, hardwood floors. Architects taking bids, due July 12th. The following are figuring: R. C. Ballinger & Co., 218 North Thirteenth street; Stokes Bros., 6723 Musgrave street; F. E. Wallace, 1210 Sansom street; Carr & Hinkle, 5822 Germantown avenue; William H. Eddleman, 453 Green lane, Roxborough.

**Hospital (alt. and add.)**, Forty-fourth and Market streets. Architects, Brockie & Hastings, 328 Chestnut street. Owners, Pennsylvania Hospital for Insane, on premises. Stone and brick, three stories, tile roof, (electric light and heat reserved). Architect taking bids, due July 10th. The following are figuring: F. E. Wallace, 1210 Sansom street; J. S. Cornell & Sons, Land Title Building; Irwin & Leighton, 126 North Twelfth street; William R. Dougherty, 1610 Sansom street; A. P. Fraim, 319 Market street.

**Office Building (alt. and add.)**, Dauphin and Glenwood avenue. Architect, J. T. Windrim, Twelfth and Chestnut streets. Owners, H. C. Patterson Company, on premises. Brick, two stories, electric lighting, hot air heating, slag roof, three toilet rooms. Architect taking bids, due July 8th. The following are figuring: George Hogg, 1634 Sansom street; Pomeroy Construction Company, 1609 Ransstead street; B. Ketcham's Sons, 1029 Brown

street; J. Myers & Sons, Witherspoon Building.

**Coal Trestle**, Fourth and Allegheny avenue. Architect, W. Hunter, Reading Terminal. Owners, Philadelphia and Reading Railroad Company. Steel, concrete and wood. Owners taking bids, due July 9th. The following are figuring: F. A. Havens & Co., 845 North Nineteenth street; Armstrong & Latta, Land Title Building; George Hogg, 1634 Sansom street; F. L. Hoover & Sons, Builders' Exchange.

**Coal Pocket**, Atlantic City, N. J. Architect, W. Hunter, Reading Terminal. Owners, Philadelphia and Reading Railroad Company. Concrete, wood and steel. Owners taking bids, due July 9th. The following are figuring: F. A. Havens & Co., 845 North Nineteenth street; Armstrong & Latta, Land Title Building.

**Factory**, Eleventh street, above Cambria. Architects, Magaziner & Potter, 137 South Fifth street. Owners, Penn Rivet Company, care of architects. Brick, one story, 70x95 feet. Electric lighting, slag roof. Architects taking revised bids, due July 5th. The following are figuring: H. E. Grau Company, 1709 Sansom street; Lam Building Company, 1001 Wood street; Smith Hardican Company, 1606 Cherry street; F. G. English, 1610 North Carlisle street.

**Store (alt. and add.)**, 1228 Market street. Architects, Stearn & Castor, Stephen Girard Building. Owners, Walkover Shoe Company, 1022 Chestnut street. Brick and metal, two stories, electric lighting, steam heating, hardwood floors. Architects taking revised bids, due July 5th. The following are figuring: B. Ketcham's Sons, 1029 Brown street; A. R. Raff, 1635 Thompson street; J. N. Gill Company, Heed Building; H. E. Baton, Tenth and

Sansom streets; William R. Dougherty, 1610 Sansom street.

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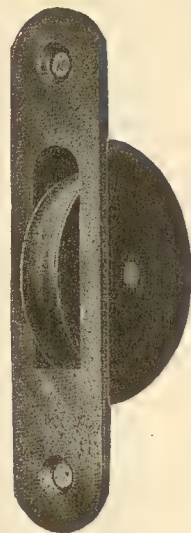
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**College Buildings (alts.),** Girard College, Philadelphia, \$25,000. Architect, J. H. Windrim, Commonwealth Building. Owners, Girard College. Consists of alterations to Buildings 3, 9, 10. Contract awarded to B. Ketcham's Sons, 1029 Brown street.

**College Buildings (alts.),** Girard College, Philadelphia, \$30,000. Architect, J. H. Windrim, Commonwealth Building. Owners, Girard College. Consists of alterations to Buildings 2, 4, 6, 7, 8. Contract awarded to Pomeroy Construction Company, 1609 Ransstead street.

**Bank Building (alts.),** Third street, below Chestnut street, \$7,000. Architect, J. H. Windrim, Commonwealth Building. Owners, Girard National Bank, on premises. Consists of alterations to interior. Contract awarded to Pomeroy Construction Company, 1609 Ransstead street.

**Residence, Media, Pa.,** \$4,000. Architect, Newton Flounders, Media, Pa. Owner, C. M. Broomall, Media, Pa. Brick and frame, two and one-half stories, 23x50 feet. Shingle roof, electric lighting, hot water heating. Contract awarded to J. B. Flounders, 1329 Arch street.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Residence, Rosemont, Pa.** \$10,000. Architects, Harris & Richards, Drexel Building. Owner, Chas. Sim, Rosemont, Pa. Stone, three stories, 45x70 feet, electric light, hot water heat, hardwood floors. Contract awarded to Geo. L. Croll, Rosemont, Pa.

**Residence (alt. and add.), Frazier, Pa.** \$10,000. Architect, Chas. Barton Keen, Bailey Building. Owner, W. H. Vilas, Frazier, Pa. Stose, frame, plaster, two and one-half stories, shingle roof, electric light. Contract awarded to Geo. L. Croll, Rosemont, Pa.

**Store Building, Northeast corner Broad and Girard avenue.** Architects, Stuckert & Sloan, Crozer Building. Owner, Geo. H. Earle, Real Estate Trust Building. Brick, concrete, blue-stone trimmings, two stories, 160x24 feet, electric light, slag roof, steam heat. Contract awarded to Wm. R. Dougherty, 1608 Sansom street.

**Residence (alt. and add.), Ardmore, Pa.** Architects, McIlvain & Roberts, Land Title Building. Owner, G. C. Brooke, Ardmore, Pa. Plaster, two and one-half stories, shingle roof, electric light. Contract awarded to Graham Campion & Co., Heed Building.

**Stable and Garage, Chestnut Hill, Philadelphia.** Architects, Brockie & Hastings, 328 Chestnut street. Owner, Mrs. S. Goodman, Jr., Chestnut Hill. Brick and shingle, two stories, 25x78 feet, shingle roof, hot water heat. Contract awarded to S. Harting, 20 East Johnson street.

**Residence (2), Wayne avenue and Hortter street.** Architects, Savery, Scheetz & Savery, Stephen Girard Building. Owner, J. A. Seeds, 607 West Upsal street. Stone, two stories, 43x48 feet, slate roof, steam heat, electric light. Contract awarded to Carvan Construction Company, 5144 Irving street.

**Residence, Cynwyd, Pa.** Architects, Savery, Scheetz & Savery, Stephen Girard Building. Owner, Mrs. E. A. Oliver, Cynwyd, Pa. Frame, two and one-half stories, 26x57 feet, shingle roof, hot water heat. Contract awarded to Mowrer Bros., Merion, Pa.

**Residence, Germantown, Philadelphia.** Architects, Simos & Bassett, 1112 Chestnut street. Owner, Mrs. Mary F. Stewart, 4301 Westminster avenue. Stone, three stories, 38x41 feet, slate roof, electric light, hardwood floors, hot water heat. Architects will sublet all contracts.

**Residence (alt. and add.), Devon, Pa.** Architect, Guy King, 1513 Walnut street. Owner, W. M. Wilbur, Devon, Pa. Brick, one story, tin roof, electric light, hot water heat. Contract awarded to J. H. Dawson, Devon, Pa.

**Warehouse, 18-22 South Orianna street.** \$50,000. Architects, Day & Zimmerman, 609 Chestnut street. Owners, Provident Life & Trust Co., Fourth and Chestnut streets. Brick, fireproof, nine stories, 42x50 feet, slag roof, electric light, steam heat. Contract awarded to Linker-Losse Company, Heed Building.

**Garage, 1131 Cherry street.** \$15,000. Architects, Furness & Evans Co., Provident Life Building. Owner, R. R. Bringham, 38 North Eleventh street. Brick, cement, steel, fireproof, stories, 18x130 feet, electric lighting, slag roof. Contract awarded to J. Bird & Co., 213 North Eleventh street.

**Saloon (alt. and add.), 1802 Market street.** \$2,600. Architect, H. E. DeHoff, 58 South Sixty-first street. Owner, Ed. Flood, care of architect. Brick, four stories, slag roof, elec-

tric light. Contract awarded to A. Whitehead, 1624 Latimer street.

**Residence, Westview and Germantown avenue.** Architect, Frank Seeburger, Pennsylvania Building. Owner, Michael Trump, 530 Lincoln Drive. Brick and plaster, three stories, 43x51 feet, shingle roof, hot water heat, hardwood floors. Contract awarded to J. E. Kearney, 327 North Sixty-third street.

**Residence, Villa Nova, Pa.** \$150,000. Architects, Baily & Bassett, 321 Chestnut street. Owner, Name withheld. Stone and concrete (fireproof), three stories, 200x50 feet, slate roof, electric light, steam vacuum heating, hardwood floors. Contract awarded to R. C. Ballinger & Co., 218 North Thirtieth street.

**Store (alt. and add.), Eighth and Market streets.** \$13,000. Architects, Stearns & Castor, Stephen Girard Building. Owners, Lit Bros., on premises. Brick and interior alterations. Contract awarded to F. W. Van Loon, Denckla Building.

**Building (alt. and add.), Twenty-first and Nicholas street.** Architects, Magaziner & Potter, 137 South Fifth street. Owners, Barg Dry Cleaning Company, on premises. Brick, one story, slag roof. Owners will sublet all contracts.

**Residence (alt. and add.), 2040 Locust streets.** Architects, Baker & Dallett, 1629 Chestnut street. Owner, J. C. Wallace, 2133 Walnut street. Brick, four stories, electric light, slag roof. Contract awarded to Bowers & Logan, 2010 Chancellor street.

**Warehouse, Brooklyn, N. Y.** Architect, Clard Dillenback, Reading Terminal, Twelfth and Market streets. Owners, Pure Oil Company, Brooklyn, N. Y. Brick, two stories, 50x146 feet, electric light, slag roof, elevators. Contract awarded to Armingesger & Sons, Brooklyn, N. Y.

**Building (17), Havre de Grace, Md.** Architects, Dodge & Morrison, 135 Front street, New York City. Owner, Havre de Grace Jockey Club. Frame, one and two stories, shingle roof. Contract awarded to Rufus H. Brown, 1357 Rogers avenue, Brooklyn, N. Y.

**Residence (remodeling), Ft. Washington, Pa.** \$10,000. Architect, Ralph E. White, Pennsylvania Building. Owner, Wm. McAdoo, Ft. Washington, Pa. Frame and stucco, three stories. Contract awarded to Henry Specht, Jr., Willow Grove, Pa.

**Morgue (alt. and add.), Thirteenth and Wood streets.** Architect, C. B. Zilenziger, City Hall. Owners, City of Philadelphia. Brick, tin roof, electric lighting. Bids were opened as follows: J. H. Jordan, Thirty-first and Oxford streets, \$1,565; Ed. Fay & Sons, 1521 Ransstead street, \$1,848.

**Fire House (alt. and add.), Fifteenth and Snyder avenue.** Architect, C. B. Zilenziger, City Hall. Owners, City of Philadelphia. Stone and brick, slate roof, electric lighting, steam heating, hot water heater, one bath and one toilet room. Bids were opened as follows: Ed. Fay & Sons, 1521 Ransstead street, \$8,475; E. H. Sturts, 2613 Ridge avenue, -9,393; A. Bottoms' Sons & Co., 41 South Fifteenth street, \$9,491; J. H. Jordan, Thirty-first and Oxford streets, \$10,000; J. W. Emery, 1524 Sansom street, \$10,750; J. G. Doak & Co., Crozer Building, \$11,495.

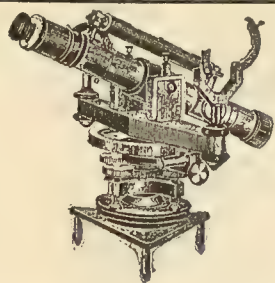
**Offices (alt. and add.), City Hall.** Architect, C. B. Zilenziger, City Hall. Owners, City of Philadelphia. Consists of interior altera-



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## Alterations and Additions

Jos. O'Neil (O), Thirteenth and Oak Lane. W. J. Cowell (C), 943 East Cheltenham avenue. Cost, \$500. Residence, Thirteenth and Oak Lane.

J. Peatunkin (O), 828 South Fourth street. A. Shestack (C), 528 Reed street. Cost, \$900. Dwelling and store. 832 South Fourth street.

A. Mulherin (O), Front and Master streets. J. N. Gill & Co. (C), Heed Building. Cost, \$500. Residence, 2350 North Broad street.

Berachah Church (O), 2240 North Twentieth street. B. F. Virden (C), 2917 Fletcher street. Cost, \$1,200. Church, 2240 North Twentieth street.

Mrs. W. Knowles (O), Fifty-ninth and Woodbine avenue. McLean & Baldwin (C), 1626 Sassom street. Cost, \$4,000. Garage, Fifty-ninth and Woodbine avenue.

Emma Belfi (O), Eleventh and Bainbridge streets. Lucii & Padolese (C), 1645 Ellsworth street. Cost, \$1,935. Store and dwelling, Thirteenth and Ellsworth streets.

J. J. Winkler (O), 1725 North Twentieth street. F. Reichart (C), 176 West Norris street. Cost, \$1,140. Store and dwelling, 120 South Sixth street.

J. Lerhtenstein (O), 412 South Twentieth street. Abe Rubin (C), 1127 Thompson street. Cost, \$1,300. Store and dwelling.

J. McCartney (O), 5139 Race street. W. Magee (C), 5149 Wyalusing avenue. Cost, \$600. Storage, 936 North Fifty-first street.

E. W. Clark (O), Thirty-fifth and Moreland avenue. Stokes Bros. (C), 6723 Musgrave street. Cost, \$2,000. Dwelling, Thirty-fifth and Moreland avenue.

Berg Bros. (O), Twenty-first and Nicholas streets. Philip Weber (C), 1326 North Fourth street. Cost, \$1,500. Dye room, Twenty-first and Nicholas streets.

W. H. Liebrich (O), 2015 North Twentieth street. Malcolm Coffin (C), 2840 Ridge avenue. Cost, \$1,200. Store, 2840 Ridge avenue.

J. Randolph (O), Nineteenth and Race streets. A. McClintock (C), 1937 Ridge avenue. Cost, \$800. Residence, Nineteenth and Race streets.

Ike Gold (O), 705 South Third street. Cost, \$1,200. Store and dwelling, 1902 South Fourth street.

Steele Heddle Manufacturing Co. (O), Twenty-first and Lippincott streets. Drehman Paving Co. (C), 2625 Parrish street. Cost, \$5,000. Factory.

Pennsylvania Railroad Co. (O), Philadelphia. Reading Contracting Co. (C), Reading, Pa. Cost, \$3,000. Freight station, Canton and Hermitage streets.

A. Sclarowitz (O), 713 Reed street. P. Goodman (C), 2723 Diamond street. Cost, \$700. Dwelling, 713 Reed street.

C. R. Rigby (O), 402 Land Title Building. D. R. Perkespine (C), 402 Land Title Building. Cost, \$750. Saloon, 4655 Frankford avenue.

Collier Bros. (O), 3903 Lancaster avenue. Colbert Construction Co. (C), 662 North Thirty-ninth street. Cost, \$2,000. Store and offices. 3903 Lancaster avenue.

James Lilly (O), 1222 Snyder avenue. Cost, \$1,200. Store, 1827 South Eleventh street.

City Missionary Church (O), 1018 Arch street. Barnes Bros. (C), 1449 Loudon street. Cost, \$700. Church, Mascher and Allegheny avenue.

Mrs. C. Leonard & M. Gill (O), 135 North Twenty-first street. J. Kramers' Sons (C), 1314 North Front street. Cost, \$1,200. Dwelling, Randolph and Willow streets.

F. A. Bochman Co. (C), Second and Cambria streets. Wm. Steele & Sons (C), 1600 Arch street. Cost, \$5,400. Factory, Second and Cambria streets.

Braun & Stewart Co. (O), 311 Arcade Building. Cost, \$5,000. Storage, Shelmire and Wissinoming streets.

Bergner & Engel Brewing Co. (O), Thirty-second and Master streets. E. E. Hollenbach (C), Fifteenth and Race streets. Cost, \$2,000. Saloon, Etting and Master streets.

Weightman Estate (O), 1336 Walnut street. Cost, \$845. Hotel, Twelfth and Arch streets.

Friends' Asylum (O), Frankford. J. F. \$7,000. Gymnasium, Frankford, Pa.

F. Hemsley (O), Harrison Building. T. M. Seeds (C), 1207 Race street. Cost, \$15,000. Dwelling, 2018 Delancy street.

Home for Incurables (O), Forty-eighth and Woodland avenue. Wm. R. Dougherty (C), 1608 Sansom street. Cost, \$7,000. Home, Forty-eighth and Woodland avenue.

Mrs. E. Denby (O), New York City. Owen Fogerty (C), 1918 Cherry street. Cost, \$2,000. Dwelling, 2914 North Sixteenth street.

Estate of M. P. Mellon (O), Bryn Mawr, Pa. G. C. Dougherty (C), 1711 Ranstead street. Cost, \$15,000. Stores, 1613 Chestnut street.

Alpha Baptist Church (O), Hancock and York streets. T. C. Trafford (C), 1613 Sansom street. \$3,300. Cost. Church, Hancock and York streets.

Friends' School (O), Seventeenth and Girard avenue. A. R. Raff (C), 1635 Thompson street. Cost, \$1,700. School, Seventeenth and Girard avenue.

F. Bache (O), 233 South Thirteenth street. H. W. Irwin (C), 1613 Ranstead street. Cost, \$1,000. Dwelling, 233 South Thirteenth street.

Friends' School (O), Main and Coulter streets. R. C. Ballinger Company (C), 218 North Thirteenth street. Cost, \$2,000. School, Main and Coulter streets.

S. J. Leviskind (O), 38 North Third street. H. Slass (C), 1303 North Seventh street. Cost, \$610. Store and dwelling, 604 Christian street.

Wheeler Estate (O), 419 Brown street. D. F. Coney (C), 2141 Mt. Vernon street. Cost, \$1,700. Dwelling, 419 Brown street.

Rosa Hustronordo (O), 4710 North street. Chas. Strickler (C), 2075 Margaretta street. Cost, \$325. Store, 2019 Orthodox street.

A. Waxman (O), 927 Passyunk avenue. J. Garehow (C), 317 Reed street. Cost, \$4,500. 413-15 Orianna street.

C. Schmidt Brewing Company (O), Second and Edward streets. The Vulcanite Paving Company (C), Land Title Building. Cost, \$7,200. Brew House, Girard avenue and Hancock street.

Electric Storage Battery Company (O), Nineteenth and Allegheny avenue. J. G. Brown (C), Witherspoon Building. Cost, \$3,500. Manufacturing. Allegheny avenue, east of Nineteenth street.



## Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

\*\*In a recent report issued by the Bureau of Standards, the weight per cubic foot of concrete as molded into beams for flexure tests is given. The specimens were weighed at the ages of 4, 13, 26 and 52 weeks and for each age generally twenty-one specimens were averaged. As the concrete showed no increase of weight with age we give below only the general averages as follows:

Granite concrete.....	148	148.6	147.7
Limestone concrete..	146.6	146.7	145.7
Gravel concrete.....	144.1	144.8	144
Cinder concrete.....	119	119.3	118.1

\*\*An interesting method of handling necessary materials and excavated earth and rock on heavy office building foundation work has been put to use on the site of the future Adams Express Building, 57-61 Broadway, New York City. Running east and west through the middle of the plot, which has frontage on both Greenwich street and Broadway, a line of heavy piling carries a standard guage railroad track. A modern locomotive train makes possible a greater efficiency for this kind of work than has ever attained by the usual swinging boom. It is perhaps food for reflection, that no general contract is to be awarded in connection with this project. It will be an "owners build" job, separate contracts are to be let on all the different branches.

\*\*A new State law will go into effect on September 1, in New York, requiring that specifications for heating and ventilating contracts on all public buildings in this State must be drawn so as to permit separate and independent bidding for this class of work, the same as for plumbing and drainage. It applies to county, city or borough, as well as to State buildings hereafter erected.

\*\*For the first time in its history, the sixth congress of the International Association for Testing Materials will meet this year in the United States, the dates selected being September 2 to 7. The meetings will be held in the Engineering Societies Building, 29 West Thirty-ninth street, this city. The American Society for Testing Materials is one of the branches of the international body, and will be the host for the occasion. Dr. Henry M.

Howe, former professor in metallurgy at Columbia University, is the acting president of the international body, as well as one of the principal members of the American Society. Interesting papers covering some of the subjects handled by the conference are being prepared for delivery.

\*\*A remarkable example of error in estimating the cost of construction work was brought out this week in the government's suit to dissolve the United States Steel Corporation. Foster Milliken, of Milliken Bros., testified that it was an architect's underestimate of some \$2,000,000 on the firm's Staten Island rolling mills which put the firm into a receivership in 1907.

\*\*The billposters of San Francisco are said to be highly indignant because no advertising is to be allowed on the fence that is to enclose the Panama-Pacific International Exposition grounds. The fence will be two and a half miles long.

\*\*Many proofs have been given of the perfect condition of iron after having been embedded for long periods of time in concrete. Another illustration has lately been furnished by the examination of a portion of the reinforcement of a concrete building in Paris, dating from 1852. This is a three-story building, the roof of which is a reinforced concrete slab about 12 inches thick, with a minimum span of 20 feet, the reinforcement consisting of small I-beams, about 3 1/4 inches deep. About thirteen years ago a hole was cut in one of these roof beams and the concrete removed down to the iron, which was found to be clean and free from rust, and the hole was filled with fresh concrete. Quite recently this thirteen-year-old concrete was removed and on examination the iron was again found to be in perfectly good condition. The entire absence of corrosion after a period of sixty years is a sufficiently convincing testimony of effective preservation.

\*\*Mulford Marsh, Jacksonville, Fla., architect, desires catalogues of all building construction.

\*\*Henry L. Spann, architect, 38 Pascal street, Buffalo, N. Y., desires information on dairy equipment, including machinery, pas-



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teurizing machinery, coolers, separators, gas engines, motors, stable fittings, etc.

\*\*Thomas F. Mangin and George Stedman have formed a co-partnership, to be known as Mangin & Stedman, architects, 17 Betz Block, Syracuse, N. Y. This office was formerly conducted by T. F. Mangin.

\*\*Hazard, Hillman & Harris, wholesalers of yellow pine, cypress and maple flooring, have discontinued their New York sales office, in the West street building, and will hereafter be found at their distributing yard and mill location, Perth Amboy, N. J.

\*\*The Consolidated Rosendale Cement Company, of 50 Church street, is sending out to the trade some very handy rulers, bearing the name of the "Brooklyn Bridge Brand of Natural Cement." These rulers are divided on one side in the usual subdivision of inches and on the other these are reduced to halves, eighths, quarters, sixteenths, thirty-seconds, etc. This will be sent to any specifier or dealer in building materials upon receipt of application.

\*\*Incorporation papers were filed with the Secretary of State in New Jersey for the old established house of F. L. & A. Heidritter, of Elizabeth, N. J. The "Heidritter Lumber Compan," will operate along the same lines and under the same interests as formerly. The officers are: President, A. Heidritter; vice-president, H. E. Wolff; secretary and treasurer, F. O. Walter; manager, F. R. Wallace, and superintendent, A. U. Poppenga. The Heidritter Company was established in 1860.

\*\*Hector M. Gordon, until recently Sales Manager for Wadsworth, Howland & Co., of Boston, has, with Anton P. Hittl, formed a corporation to be known as the Gordon-Hittl Company, with offices at 176 Federal street,

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\*\*The contract for placing approximately  
1,500 Raymond concrete piles for the founda-  
tions of the Webb Terminal Warehouse Build-  
ing to be erected at Walnut street and Dela-  
ware avenue, Philadelphia, has been awarded  
to the Raymond Concrete Pile Company, of  
New York and Chicago; Irwin & Leighton,  
general contractors.

### RECENT TRADE LITERATURE.

The Texas Company is issuing a booklet de-  
scribing roads made with their Texaco road  
compound and announces that they have  
changed the date of publication to quarterly.  
The next issue will be dated at August 1, but  
issued in July. The size will be altered to  
agree with standard catalogue file size, 2x9  
inches. All communications should be ad-  
dressed to editorial department, Texas Com-  
pany, 17 Battery place, New York.

\* \* \*

"Concrete Roofs and Why" is the title of  
a unique and well designed folder issued by  
the General Fireproofing Company, Youngs-  
town, Ohio. It is devoted largely to the mer-  
its of "Self-Sentering."

\* \* \*

"Cabot's Cement Strains."—In a well-  
printed booklet published by Samuel Cabot,  
Inc., 141 Milk street, Boston, Mass., the stains  
for cement, plasters and brick surfaces manu-  
factured by this firm are fully described and  
illustrated. Letters from satisfied users tes-  
tify to the high quality of these products.  
On one of the inside covers color cards of the  
various stains are attached.

\* \* \*

"What We Dry" is the title of a well-illus-  
trated booklet on dryers, just published by the  
Ruggles-Coles Engineering Company, New  
York and Chicago. It tells in a short inter-

esting way the reason why various materials  
are dried and gives the names of some of the  
prominent Ruggles-Coles dryer installations.  
It should prove of especial interest to those  
at all interested in the subject of drying.  
"What We Dry" will be mailed upon request  
to the Ruggles-Coles Engineering Company,  
50 Church street, New York City, or McCor-  
mick Building, Chicago, Ill.

\* \* \*

"Texaco Waterproofing Cement" is des-  
cribed in a neat booklet issued by the Texas  
Company, 17 Battery place, New York, and  
"Texaco Roofing" is a pamphlet issued by the  
same company.

### SUGGESTED BUILDING ORDINANCE PROVIDING FOR USE OF FIREPROOF ROOFING MATERIALS.

The wide variance in provisions for ade-  
quate protection against fire in the several  
building codes throughout the country has  
given rise to a growing demand for a law,  
simple and comprehensive in form, providing  
for the use of fireproof materials. Mr. H. N.  
Taylor, of the firm of N. & G. Taylor Com-  
pany, Philadelphia, reports that he has recent-  
ly received a number of inquiries from  
various parts of the country for suggestions  
for a suitable form of ordinance, and in com-  
pliance with these requests he offers the fol-  
lowing:

#### Type of Building Prohibited Within Fire Limits.

It shall be unlawful to erect within the  
aforesaid fire limits any building or other  
construction having front, rear and side walls  
of any material of more combustible or in-  
flammable substance than iron, brick, con-  
crete, terra cotta, or stone; and it shall be  
unlawful to place upon any building now  
erected, or upon any building hereafter erect-  
ed within city limits, any roof covered with  
any material other than tin, slate, tile, cop-  
per, steel, or iron; nor shall the walls or  
ceilings be covered with boards or combusti-  
ble; but nothing herein shall be construed to  
apply to wainscoting or trimming; provided,  
nevertheless, that nothing contained in this  
ordinance shall prevent the alteration of or  
addition to buildings within the above-men-  
tioned fire limits except as hereinafter pro-  
vided.

#### Roof Coverings.

Weather covers of roofs and piazzas,  
porches or external stairs within the fire  
limits shall be made of tin, tile, slate, copper,  
steel or iron. Appendages such as skylights,  
dormer windows, cornices, gutters, moldings,  
eaves, parapets, balconies bay windows, spires,  
ventilators, pent houses, etc., if not wholly  
fireproof shall be enveloped with incombusti-  
ble material.

This is a matter which concerns the public  
at large and we especially recommend the  
above suggestion to the earnest consideration  
of officials who have in mind the safety from  
the conflagration hazard of the communities  
in which they live.



## Architectural Notes

Mr. C. Grant La Farge, one of the most distinguished of American architects and President of New York Chapter of the American Institute of Architects, makes the following comment upon the attempt under way at Washington to repeal the Tarsney Act:

"The Sundry Civil bill now before the House of Representatives contains a provision which repeals what is known as the Tarsney Act, that being the law under which the Secretary of the Treasury is permitted to obtain plans by competition among architects in private practice for buildings to be erected under the authority of the Treasury Department.

"From the organization of our Government to about the time of the Civil War all important Government structures were erected by architects with established reputation, generally selected and appointed for the work by the President of the United States. The result was a series of buildings of which the country was justly proud.

"At about the close of the Civil War the Treasury Department (the great builder for the Government) organized a department for the care of its buildings and placed it in charge of an officer known as the 'Supervising Architect.' For about thirty years, in spite of the constant protest of the architectural profession, the greater part of the building work of the Government was entrusted to his charge. Vast amounts of money were expended and the resulting buildings were bad in plan, bad in design, often defective in construction, and always extravagant in cost.

"This result was inevitable for two reasons, first, the highly trained ability and large experience necessary to successfully control such work could not possibly be secured for any salary which the Government could offer—certainly not for \$6,000 a year; second, the work was so vast, extending over so many buildings erected simultaneously, that it was a physical impossibility that it could be conducted to a successful issue by one person, no matter what might be his ability and training.

"At the World's Columbian Exposition in Chicago the best monumental work which could be done by the Supervising Architect's office stood side by side with that of architects in private practice. The contrast was lamentable. The Secretary of the Treasury then and there decided to avail himself of the provisions of the Tarsney Act, which permitted him to select architects by competition from men in private practice who had given proof of their ability, for the more important of the Government's work.

"Under this decision the Tarsney Act has given the Government such buildings as the Ellis Island Emigrant Station, the Baltimore Custom House, the New York Custom House,

the San Francisco Custom House, the Post Offices at Cleveland, Providence, New Orleans, Denver, Indianapolis, and others, including the one now building adjoining the Pennsylvania station in New York City. It is gratifying to know that in this entire work there has been no suspicion of graft or scandal.

"The effect of the Tarsney Act has been to work a vast improvement in the designs made in the Supervising Architect's office, but it is the work of mere draughtsmen, and it necessarily lacks individuality. The repeal of the act would lead to additional expenditure, not to economy. Indeed, economy might be gained if architects in private practice were selected or appointed for all work requiring original designs.

"At a recent Congressional investigation into the expenditures of the Supervising Architect's office, the latter testified that the cost of the architectural service when rendered by the Supervising Architect's office was 1.46 per cent. less than if architects in private practice had been employed; but he further testified that since the passage of the Tarsney Act the Government buildings executed by architects in private practice had cost from 30 to 50 per cent. less than similar buildings erected by the Supervising Architect prior to the act, and that there is not one of the modern buildings which are not better buildings structurally, in point of design and in point of accommodations, and this in the face of the well-known increase in price of building construction.

"It can be readily seen, therefore, that the 1.46 per cent. claimed as a saving in the cost of the architectural service rendered by the Supervising Architect's office as compared with architects in private practice (and some of the items which go to make up this 1.46 per cent. are open to question) is negligible when compared with the additional cost to the government of the ill-planned and altogether unsatisfactory buildings produced by the Supervising Architect's office prior to the passage of the Tarsney Act.

"This is not a matter which concerns the architectural profession alone, but is of interest to the intelligent members of the community in general. It is no academic question for the people of New York. We must soon have a new downtown Post Office and probably a new Federal Court Building. Whether these shall be the best that the independent, trained talent of this country is capable of producing, or whether they shall be of some inferior and perhaps unworthy character, means much to the City of New York. Its determination hangs upon the action soon to be taken in Congress. The Tarsney Act should not be repealed, and the people of New York should advise their representatives in Congress in no uncertain tones of their vital interest in this matter."

The "Architects' Offices Incorporated" filed papers in the office of Secretary of State at Albany this week for a capitalization of \$250,000 with which to erect in Park avenue, in the vicinity of the Grand Central Station, an office and studio building covering a plot 100x100 feet, which will be operated very much as the co-operative apartment houses are operated.

Behind the plan are B. L. Fenner, of the firm of McKim, Mead & White; C. Ewing, of the firm of Ewing & Chappell, and C. G. LaFarge, of the firm of LaFarge & Morris, who are the incorporators of record, and it is also reported that Kenneth Murchison, Arnold W. Brunner and a representative of the firm of Carrere & Hastings are also interested. There are a number of large contracting companies who have been approached with a view to taking quarters in the new building.

The upper part of the structure will be luxuriously fitted up with offices equipped in every way to meet the requirements of architects. In the centre part of the building offices will be arranged to conform to the needs of contractors, especially with reference to light required for draughting, etc. On the ground floor will be stores or show rooms.

### BENEFIT OF TRADE ASSOCIATIONS.

Trade associations are not only beneficial but also in many important aspects invaluable to the members of the trades which they represent, says "The Sheet Metal Shop." By their means men come in touch with their competitors and secure the advantages of interchange of thought and idea in comparing methods and experience. They make also for the development of the spirit of brotherhood which should exist among competing members of any trade or business in order that the individual welfare may be safeguarded through co-operative study and activity.

It is true that too often men join a trade association with a lack of understanding of its real intent and what is expected of its members. Some have the idea that the demands upon the individual lies primarily in a tractable loyalty and a reasonably prompt payment of dues and that without any further effort on their part to advance the aims of the association they have thus fulfilled the requirements for enjoying the benefits of the association's work.

The farseeing man joins his association so that he may become better acquainted with his competitors and for the purpose of doing his share to uplift and shield the trade, to render permanent and extend the advantages which the association has won for it. Naturally the trade association increases in its influence and its power to serve the material interests of a trade, just in proportion as each member of the business community subscribes to and gives himself to its work.

The man that doesn't advertise nowadays is a barnacle. And he ends up like a barnacle by being scraped off.



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# Editorial Comment

The death of Mr. Frank Furness, one of the most successful of the older school of architects, was made the theme of a merited and well considered tribute in the editorial columns of the Philadelphia "Public Ledger." Said the "Ledger:"

"The name of Frank Furness has been connected so long and so intimately with the professional and social life of Philadelphia that his death will leave a vacancy which will never be filled. Since the days when he impressed himself most actively upon the architectural progress of the city, a new generation of workers has arisen, but Mr. Furness' influence was permanently good and the monuments of his taste and originality are many and conspicuous. His work in some respects was that of a pioneer, and while present-day design differs in many essential particulars from that which chiefly characterized his earlier efforts, to Mr. Furness and those who labored under his guidance and inspiration are due much of the credit for the great advance which has been made in the public and private buildings of Philadelphia. The three great railroad terminals here, the Library of the University and the Academy of the Fine Arts, were built from his designs, as well as many private business and financial buildings, such as the Guarantee, Provident and West End Trust buildings, the Arcade building, etc. He was one of the first to employ reinforced concrete in large construction work. Mr. Furness, the architect, was best known in this community, but it ought not to be forgotten that his service for his country through the Civil War was a distinguished one and that he was one of the few to whom belonged the cherished decoration of a Congressional medal of honor, voted to him for gallantry in action."

Mr. Furness, who was a member of the firm of Furness, Evans & Co., a brother of Dr. Horace Howard Furness and one of the founders of the American Institute of Architects, died at his country home, Idlewilde Cottage, near Media.

\* \* \*

Mr. Joseph Pennell, the distinguished etcher and illustrator whose years of travel and study in the art centres of the old world, the cathedral towns and byways of artistic note, holds some decidedly sane, if radical, ideas concerning what is necessary to the elevation of American taste along intelligent lines.

"Until we get a Minister of Fine Arts," says Mr. Pennell, "who shall be out of politics as the Isthmian Canal Commission is out of politics, and shall have under his charge such matters as exhibitions at home and abroad, the direction of the new National Museum, architectural projects, and every matter of artistic scope, we will continue to make ourselves ridiculous in the eyes of the

world—as we are—and yet, blind to the fact, stumble on till we tumble into the pit of artistic ignorance and conceit, now being dug by those kind of people who would do good to American art."

Of the much-discussed "growing" love for art in the United States, Mr. Pennell observes:

"There is no more love for art in the world than there ever was—there is no love for it at all in America. The great people care nothing about it and do everything they can to escape it, though they swallow it as they swallow things that 'taste like' something else and think they are dining. I know our artists flourish, and the figures at which pictures can be marketed in New York have greatly risen, but the fact that they would not and do not sell abroad is apt to be overlooked.

"And the Americans who are making a reputation abroad, though they live in America, are not known at home or their works found in public American galleries."

Speaking of millionaire collectors who pay fancy figures for canvases popularly regarded as priceless, the same caustic critic remarks:

"The collection of art is a purely financial and advertising notoriety hunting affair in this country. The collections which have gone or are advertised as going to galleries, museums, and to the Nation are, many of them, offered and accepted under such conditions as would be permitted in no other country.

"Artists are not trusted to manage their own affairs, and in no country are art matters so mismanaged, because they are in the hands of people who know nothing about what they are doing good to. That this is only another form of advertisement is but part of the whole scheme.

"Artists have fallen in with the conditions, and it may—I suppose does—pay financially, but they have to hustle—and you can't hustle art. But the worst of it is, and this I know, that the student's ideal of today is 'Art is good business.'

"Good art—great art doesn't matter—business does. This rotten fetich has been held even by American artists—honestly, I believe—of some eminence. One, lately dead, who had preached that the contents of a bric-a-brac shop and a classical dictionary and a collection of photographs were as good as a trip to Europe to study originals, and that art should be shut up in the studio as in any other office or store, between nine and five, went for some reason to Europe for the first time at about the age of 60, and, it may have been, the horror of a completely false view of things he had been preaching all his life to students came over him and killed him. At any rate, he lived long enough and was honest enough to admit that theories gather-



ed in a country village won't work in the great world of art.

"It is this narrowness, gullibility, and false standards which are debauching American art and American art students and collectors."

\* \* \*

Mr. Arnold Bennett, the novelist, does not like our "skyscraper" type of building.

"The skyscrapers that cluster about the lower end of Broadway—their natural home—were as impressive as I could have desired, but not architecturally," says Arnold Bennet in "Harper's." "For they could only be felt, not seen. And even in situations where the skyscraper is properly visible it is, as a rule, to my mind, architecturally a failure.

"I regret for my own sake that I could not be more sympathetic toward the existing skyscraper as an architectural entity, because I had assuredly no European prejudice against the skyscraper as such. The objection of most people to the skyscraper is merely that it is unusual—the instinctive objection of most people to everything that is original enough to violate tradition!

"I, on the contrary, as a convinced modernist, would applaud the unusualness of the skyscraper. Nevertheless, I cannot possibly share the feelings of patriotic New Yorkers who discovered architectural grandeur in, say, the Flatiron Building or the Metropolitan Life Insurance Building. To me they confuse the poetical idea of these buildings with the buildings themselves. I eagerly admit that the bold, prowlike notion of the Flatiron cutting northward is a splendid notion, an inspiring notion; it thrills. But the building itself is ugly—nay, it is adverbially ugly; and no reading of poetry into it will make it otherwise."

Which is interesting as an individual point of view, however valueless from the authoritative angle.

\* \* \*

We beg to commend to the readers of "The Guide" the views—printed elsewhere in this issue—of Mr. Grant La Farge, on the importance to American architecture of the Tarsney Act, now under attack at Washington. Mr. La Farge, as one of the acknowledged leaders in his profession, is able to endow his opinions with a weight and an authority such as do not attach themselves to ordinary and lay utterances dealing with this subject. It is in the highest degree gratifying to note, therefore, that Mr. La Farge is enthusiastically upon the side of those who defend the competitive idea. It is just a bit difficult to understand how any member of Congress could have brought himself to father a move so pointedly at variance with the views of the best informed men in American architecture. That is—it is difficult to understand, assuming Congress to be in any sense a representative body. Some of the questions put to Supervising Architect J. Knox Taylor on the occasion of a Congressional inquiry some months ago have, we are obliged to con-

fess, done much to shake the credence we once placed in this particular assumption.

\* \* \*

While the semi-annual report of the Bureau of Building Inspection shows a decrease in gross expenditure of \$3,642,555 from the totals of 1911, covering the same period, it is conceded that conditions in all branches of construction work are, if anything, bettered thereby, the deficit representing, as it does, a falling off in flimsy operative building—a class of work carried to excess within recent years. Permits were issued, according to the report, to the number of 4,973, representing an outlay of \$19,349,205.

\* \* \*

New York City, as noted elsewhere in this number, is about to erect a building designed especially for the accommodation of architects, builders and the building trades. The idea is one "The Guide" would like to see adopted here in Philadelphia. The Master Builders' Exchange and its exhibit on the ground floor; a hall large enough to accommodate trade conventions on the second; meeting rooms for the American Institute's local chapter on the third, and above offices for architects, builders and firms interested in building specialties—the entire structural activities of the town so far as possible housed under one roof. Why not?

### BEAUTY AS AN ASSET.

We Americans are gradually coming to recognize a positive asset—a prosaic monetary profit—in an architecturally beautiful structure. Europe long ago learned this lesson; we have yet very much to learn. In all the large cities of the Continent one is not permitted to erect a building which will prove a disfigurement to surrounding structures, or to the symmetry of the street on which it fronts. Thirty years ago our commercial buildings were put up with a view chiefly to secure a certain amount of space protected from the weather. This was the period of flimsy construction, bare utilities, resulting in buildings that were dangerous fire traps, and which frequently tumbled down from overloading. The next step toward more substantial structures, better light and sanitation. Yet when an owner planned, say, a \$100,000 factory, he regarded the architect's plea for an extra \$5,000 for interior and exterior decoration as absurd and impossible. He refused to entertain the idea. The building must cost the least possible amount computable with the law. And yet the interest at at 6 per cent. on the amount represented by the difference between an actually hideous front and one permanently pleasing and ennobling was only \$300 a year.

We have left too much to the engineer, and sought too little from the architect. Hundreds of bridges may be seen in our large cities which have been built with the one aim to sustain a certain number of tons at one time. A bridge should be a thing of beauty, yet how seldom do we see in this country a

beautiful bridge. In Europe, for years past, the architects have built the bridges, beautiful bridges, as they did the cathedrals which Americans travel thousands of miles to see.—"Popular Mechanics."

### APARTMENT RENTS IN PARIS.

There are apartments in Paris (I mean "flats") rented for as much as \$20,000 a year—which is close enough to New York's present limit of \$22,000. They are, of course, in the Avenue des Champ Elysees, which means a good deal in terms of dollars and cents. A first-rate apartment, in a good part of Paris for Americans, with all of the American conveniences, can be had for from \$1,000 to \$3,000 per year. A fairly good flat, in the same superior quarter, can be had for \$800, but it will face a courtyard only, and will be small and dark. These flats, renting at from \$1,000 to \$3,000, will be smaller than similar New York apartments in number of rooms. The rent will not include heat, light, telephone or constant elevator service. The servants' rooms will be detached in the distant, unchaperoned, and unheated attic. There will be no servants' bath, no mail-chute, no inter communicating telephone and no adequate central heat.

The New Yorker pays, all other things being equal, no more for his housing than the Parisian does, while he has many more conveniences, and many more ways of reaching the city by the numerous transportation lines. Add to this the almost unlimited choice and range of prices possible in New York, and the balance is very much against the French. In Paris the apartment hunter must take what he can find or stay in the pension with the inquisitive spinsters. In New York he can pick and choose according to street and light and quarter and convenience—a dozen different landlords competing for his tenancy, and all within whatever limit he sets upon his rent appropriation. And this is why it is easier to be housed in New York with the all-round dignity which has regard not only to one's self, but to those one comes in contact with in life, than it is in Paris, all other things being equal.—James Edmund Dunning in "Review of Reviews."

When you want to find the address of the nan who "doesn't believe in advertising," don't look up a directory. Just ask the sheriff.

When the game is advertising, specializing pays. You couldn't advertise hats in a brick magazine any more than you would advertise corsets in a tobacco trade journal. Selecting your medium depends on the class you aim to reach. If the class is architects or builders, your medium is "The Guide."

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—Longfellow in "The Builders."

This expresses the Tiffany idea. In the spirit of these lines the Tiffany studios were conceived and in this spirit they have developed in the crucible of years various perfected forms of art expression.

This book illustrates one of the products of these years—architectural bronze and wrought iron—showing the diversity of work executed by the Tiffany studios. This perfect product has been accomplished by skilled artisans trained in the school of experience, and under the constant guidance of those familiar with existing conditions and requirements.

The standing of the architects who have retained the services of the studios is noteworthy, and their continued patronage is perhaps the sincerest tribute to the quality of the work and the best evidence of confidence.

In addition to the ornamental bronze and wrought iron work, the Tiffany studios will be pleased to submit estimates from architects' plans for interior decorations, lighting effects, leaded glass, special furniture, hangings and rugs in connection with banks, residences and public buildings, and will be glad to assist in the preparation of designs for distinctive interiors.

The salesrooms and executive offices of the Tiffany studios are at Forty-fifth street and Madison avenue, New York City. The factories are located at Corona, Long Island, which is within easy access of the city, so that the manufacturing costs are reduced to the lowest point consistent with the highest quality of workmanship.

### "Cisco Led-Kote Sheets":

A little booklet describing fully "Cisco Led-Kote" sheets is being sent to the trade by the Cincinnati Iron and Steel Company, Cincinnati, Ohio. It is stated that this material is composed of the best open hearth sheet steel with a coating of 99.25 per cent. pure lead, applied in the same mechanical way as in galvanizing, but without the use of zinc or tin under the "Cisco" patents. It is made up plain or in any standard forms of roofing, for foundries, blast furnaces, rolling mills, glass works, factory buildings, coal mines, metal shingle or tile manufacturers, window frame and skylight factories, gas or gasoline tank manufacturers, etc. It is made in gauges 16 to 30 inclusive, and in standard weights and lengths of sheet from 24x72 to 30x120 in-

clusive. It is stated that the metal can be shaped or formed in any manner without injuring the coating or the sheet. Copies of the booklet and full information may be had by addressing the manufacturers, the Cincinnati Iron and Steel Company, Cincinnati, Ohio.

### Beaver Wall Board:

That wall boards in their various perfected forms and compositions will eventually take the place of lath and plaster, is the general consensus of opinion held by the majority of the progressive architects and builders. This popular idea is evidenced by the appearance on the market of a host of wall boards, all strenuously endeavoring to serve a common purpose, namely, to prove their superiority over lath and plaster from the standpoint of economy, durability and ready application.

In a recent issue of "Country Life in America," there appeared an article entitled "The Cost of Walls," extracts from which are as follows:

"There is probably no one item in the construction of a house that is relatively so expensive, and certainly none that is so annoying or damaging, as the putting on of walls. When the mason and his gang come on, beware! your house will be a foul-smelling, damp, filthy turmoil of water, lime and half-savage men until they are through and gone.

"Carpenter work causes dirt and rubbish, but it is clean dirt. You can burn it up or sweep it up, but the mason leaves behind him stains and daubs that ruin floor and wood-work, and in every way delays the game interminably.

"I would rather have ten carpenters in a house than two masons. Besides there is always a conflict between masons and carpenters. If your house is delayed, each will blame it on the other."

Not only does the litter and confusion of plaster construction work to a great disadvantage, but after the work is completed, plastered walls are constantly exposed to disruptive forces, such as the ordinary shrinking and expansion of timbers, settling of buildings, vibrations caused by machinery, outside traffic, wind storms, etc.; moisture is absorbed and water works its way through—all these forces weaken the plaster and in time cause it to crack and fall, endangering the lives of the occupants of the building.

Until a few years ago the application of wall paper was commonly considered the most effective style of wall decoration, but there is no question that the use of wall paper is steadily decreasing and that the art of in-

(Continued on page 444.)



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TREASURY DEPARTMENT, OFFICE OF the Supervising Architect, Washington, D. C., June 24, 1912.—Sealed Proposals will be received at this office until 3 o'clock P. M., on the 22nd day of July, 1912, and then opened, for the construction (including plumbing, gas piping, heating apparatus, electric conduits and wiring, interior lighting fixtures and approaches) of the United States Post Office at Hanover, Pennsylvania. The building is of one story, basement and mezzanine and has a ground area of approximately 4,900 square feet; fireproof construction throughout; stone facing and copper roof. Drawings and specifications may be obtained from the Custodian of site at Hanover, Pa., or at this office at the discretion of the Supervising Architect. JAMES A. WETMORE, Acting Supervising Architect.

## NEW IDEAS, MATERIALS AND DEVICES.

(Continued from page 442.)

terior wall decoration is undoubtedly undergoing a transition from the old method to the more modern use of paint.

Hygienic authorities have universally conceded that from a sanitary standpoint, properly painted walls are far superior to papered wall surfaces, and modern progress has therefore demanded, in building construction, the manufacture of a wall covering that will present an artistic surface particularly adaptable to painting, possessing at the same time durability, and sufficient elasticity to meet any slight contraction or expansion of the studding.

These requisites are all admirably embodied in a composition board probably better known and more widely advertised than any other modern wall covering, namely, Beaver Board.

This product is manufactured entirely from selected woods, reduced to fibrous form and pressed into panels with uniform thickness of about three-sixteenths of an inch with a beautiful pebbled mat surface, admitting of artistic decoration. The panels are finished in sizes which will meet all average requirements.

Beaver Board is nailed in panels to the studding of the walls and ceilings in new rooms and over the old plaster, or other material, in remodeling old rooms. The joints of the panels are covered with decorative strips of wood, forming an artistic panel arrangement so popular in the modern home.

Great opportunity is therefore offered for original and artistic design in carrying out the panel arrangement, and in fact, there is no limit to the inexhaustible variety of elaborate designs that may be obtained through

the appropriate use of stencils. Beaver Board is not only ideal for walls and ceilings in new houses, but is unsurpassed for remodeling rooms, as old and unsightly walls and ceilings can be quickly transformed into durable artistic ones. It has been used with remarkable success in homes, public buildings, theatres, stores, offices, factories, telephone booths, display booths at fairs and exhibitions, and particularly in bungalows.

Along with the Beaver Board production is manufactured Beaver tile, which in composition is exactly like Beaver Board, but the surface is blocked off in imitation of tiling. When enameled the surface effectively reproduces the nammelled tile effect and is ideal for bath-rooms, kitchens, lavatories, shower-baths, laundries, etc.

Beaver Board can be seen to an excellent advantage at the offices of the Spring Garden Lumber Company, Inc., broad and Spring Garden streets, where the walls are artistically decorated in attractive colors with appropriate mouldings, or at their permanent exhibit in the Builders' Exchange, 18 South Seventh street, Philadelphia. This exhibit is attractively fitted out in imitation of a dining-room with false ceiling beams, showing one of a variety of possible designs that may be obtained.

## TENEMENTS AS INVESTMENTS.

The man with many millions of dollars to invest, cannot put all his money in tenements, because he would have to own several hundred, and that would require too much attention from the investor. But for the man of moderate means there is nothing better than a few well selected tenements, according to a prominent New York authority.

Let us consider the advantages in favor of the tenement house as a form of investment.

First, it is rentable at all seasons of the year. Every month you have a renting market. In business property if a man owns in the section where leases run out on the 1st of February and he hasn't managed to find a tenant by that date the chances are ninety out of a hundred he will carry the vacancy for the entire year. This is equally true of private houses and high grade apartment houses where the 1st of October has grown to be the end of the renting season.

In the second place, the loss due to each vacancy is very small in relation to the total rental of the house, so that not only is the period of vacancy apt to be short, but the amount of loss is likely to be trivial both absolutely and in comparison with the loss suffered in business properties or high grade apartments.

Third, the renting is less dependent on fashion or on shifting centres of activity. For example, when the silk trade moves from Grand street up to Fourth avenue there is a wholesale migration and they empty out the older section completely. It may be some time before trade comes to fill in the gap. One could hardly conceive of an occasion that would require a wholesale migration of tene-

ment house dwellers from one section to another. In the case of higher grade apartments the consideration of a more fashionable neighborhood or some newer improvement, or some new fad or fancy that will make the tenant or, rather the tenant's wife or daughters feel that they must make a change to be up to date, plays a most important part, and lo and behold, a well rented apartment house is never subject to such sudden squalls.

Fourth, if reductions must be made to keep a tenant the reduction in the tenement house is small, but no slight reduction will tempt the merchant to remain when the majority in his own line will have migrated to some other section of the city.

Fifth, comparing the tenement with high grade apartments and with business buildings or office buildings that are not leased to one tenant the percentage of fixed charges is smaller by far. This increases the net return, which in any case is larger in this class of property.—National Real Estate Journal.

Apologies only account for that which they do not alter.

Youth is a blunder; manhood a struggle; old age a regret.

Man is not the creature of circumstances. Circumstances are creatures of men.—Disraeli.

The trouble with some advertising is that it is like the conversation of certain people—it never says anything.—"Novelty News."

## THERE'S ONLY ONE WAY.

A man may guy,  
And a man may lie,  
And a man may puff and blow;  
But he can't get trade by sitting in the shade,  
Waiting for business to grow.

## REAL ESTATE TRANSFERS.

Summary for week ending June 29th, 1912:  
Number of transfers..... 417  
Amount of transfers.....\$1,538,352.67  
Cash consideration ..... 384,952.67  
Mortgage consideration ..... 1,153,400.00  
Ground rent consideration..... 2,351.50  
Which on a six per cent basis  
amounts to ..... 38,991.67

## PATENTS

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F. Weber & Co., 1125 Chestnut st., Phila.

## Architectural Iron and Metal Work.

John L. Gaumer Co.,  
22d and Wood sts., Phila.

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Bernard McCurdy,  
N. E. Cor. 9th and Arch sts., Phila.

## Brick (Face, Etc.)

United Brick and Clay Products Co.,  
Morris Bldg., Phila.  
O. W. Ketcham, Builders' Exchange, Phila.

## Brick Renovating.

Adolph Christensen,  
1433 Brown st., Phila.

## Bank and Office Fixtures.

Stephen F. Ketran, 312 S. 24th st., Phila.

## Blue Prints

Blue Print Co., 1516 Chestnut Street, Phila.

## Boilers and Stacks.

Lindemann Engineering Co.,  
Drexel Bldg., Phila.

## Brass and Bronze Work.

John L. Gaumer Co.,  
22d and Wood sts., Phila.

## Builders.

Mitchell Bros., 2125 Race St., Phila.  
Pomeroy Const. Co., 1609 Ransstead st., Phila.

## Builders' and Contractors' Machinery.

Henry T. Peirce, Bulletin Bldg., Phila.

## Cement.

Samuel H. French & Co.,  
4th and Callowhill sts., Phila.  
Chas. Warner Co., Land Title Bldg., Phila.  
Knickerbocker Lime Co.,  
266 N. 24th St., Phila.

## Cement and Asphalt Paving.

Wm. Krause, 1621 N. 5th St., Phila.

## Cement Colors.

Samuel H. French & Co.,  
4th and Callowhill sts., Phila.

## Cold Water Painting.

William B. Southern,  
N. W. Cor. 12th and Spruce sts., Phila.

## Concrete Engineer.

Albertson F. Knipe,  
1737 Filbert st., Phila.

## Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,  
10th and Chestnut Sts.

## Elevator (Lubricators.)

American Engr. & Mfg. Co.,  
Real Estate Trust Bldg., Phila.

## Engraving, Photo and Line.

Chestnut Street Engraving Co.,  
7th and Chestnut sts., Phila.

## Fire Protection Equipment.

Jas. Boyd & Bros.,  
25th and Wharton sts., Phila.

## Flag Poles (wood and steel).

Bernard McCurdy,  
N. E. cor. 9th and Arch sts., Phila.

## Floors and Floor Finishing.

Fritz & La Rue,  
4800 Parkside ave., Phila.

## Furnishers and Decorators.

Duncan & Duncan, Inc.,  
1724 Chestnut st., Phila.

## Furnaces and Ranges.

Bartlett & Co., 1938 Market st., Phila.  
Henry M. Miller, 40 N. 2nd st., Phila.

## Gas and Gas Appliances.

United Gas Improvement Co.,  
Broad and Arch sts., Phila.

## Graphite Paint.

Jos. Dixon Crucible Co.,  
1020 Arch st., Phila.

## Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

## Heating (Warm Air.)

Makin Heating Co., 6 N. 18th St., Phila.

## Iron Work (Structural and Ornamental).

W. E. Wark & Co., 1737 Filbert st., Phila.

## Lighting Fixtures.

Logue-Stronge Mfg. Co.,  
435-37 N. Broad st., Phila.

## Metal Ceilings.

Penn. Metal Ceiling and Roofing Co.,  
2200 Hamilton st., Phila.

## Metal Furniture.

Edward Darby & Sons Co.,  
233 Arch St., Phila.

## Metal Tile.

American Perfectile Co.,  
1526 Sansom St., Phila.

## Marble Mosaic.

Belfi Bros. & Co.,  
20-22 S. 19th st., Phila.

## Metal Doors and Trim.

R. R. Hammond & Co.,  
Land Title Bldg., Phila.

## Mill Work.

Frank C. Snedaker & Co.,  
9th and Tioga sts., Phila.

## Mortar Colors.

Samuel H. French & Co.,  
4th and Callowhill sts., Phila.

## Mouldings (room and picture).

B. B. Funston, Inc. 146 N. 10th st., Phila.

## Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th St., Phila.  
Samuel H. French & Co.,  
4th and Callowhill sts., Phila.  
Pyramid Paint Co., 131 N. 22nd st., Phila.  
E E Nice 272 S. 2nd St., Phila.

## Parquetry Floors.

Strawbridge & Clothier,  
8th and Market Sts., Phila.  
Masters Patent Floor Co.,  
7 S. 16th st., Phila.  
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Builders' Exchange, Phila.  
O. W. Ketcham, Builders' Exchange, Phila.

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Hazlett & Moss, 518 Walnut st., Phila.

## Safes and Vaults.

Stiffel & Freeman, 723 Chestnut st., Phila.

## Safety Treads.

R. R. Hammond & Co., Land Title Bldg., Phila.

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## Sewer Pipe and Flue Linings.

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## Structural Engineer

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O. W. Ketcham, Builders' Exchange, Phila.

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## Wall Plaster.

J. B. King & Co., Builders' Exg'e, Phila.

## Water Heaters.

Bartlett & Co., 1938 Market st., Phila.

## Water Supply Systems.

Sewage Disposal and Water Systems Co.,  
1430 S. Penn Square, Phila.

## Weather Strips (Metal).

National Metal Weather Strip Co.,  
Builders' Exch., Phila.

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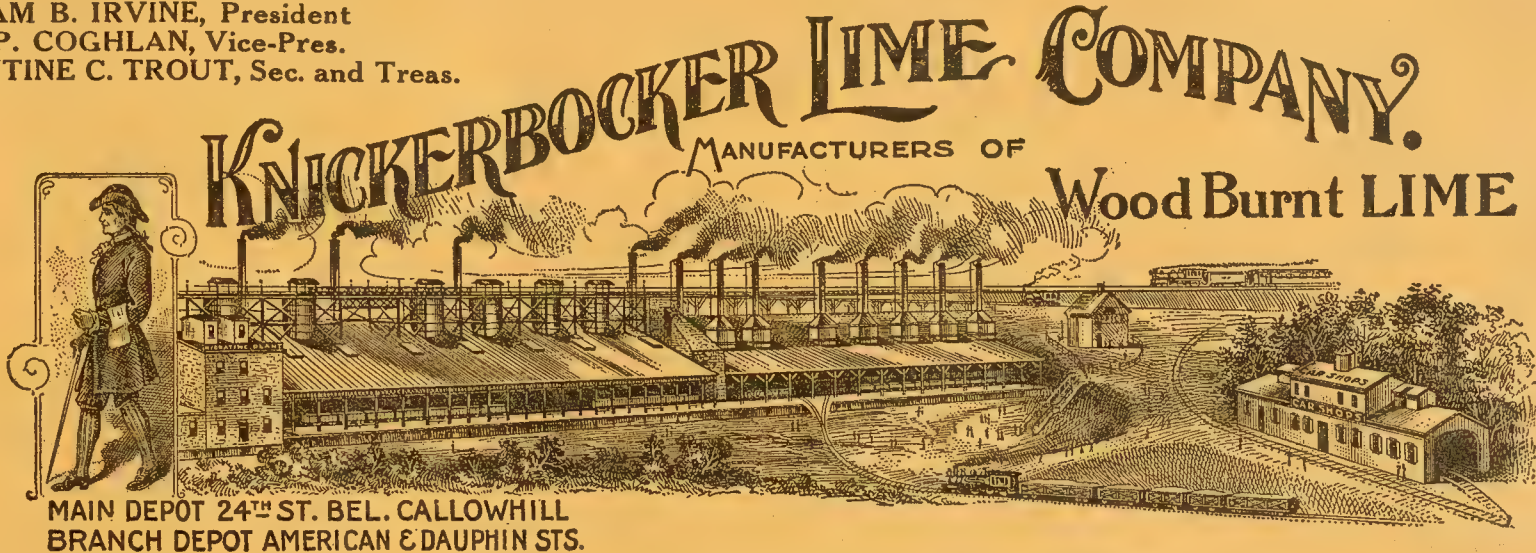
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and 201

Keystone  
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and 201

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HYDRATED LIME  
CONCRETE STONE  
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PLASTER PARIS

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BAR SAND AND  
GRAVEL  
ALL AMERICAN  
PORTLAND CEMENTS

ATLAS WHITE CEMENT  
EXPANDED METAL  
HY-RIB  
PLASTERING LATH  
MORTAR COLORS

CEMENT STAINS  
CORNER BEADS  
WALL TIES  
KEEN'S CEMENT  
MIXED MORTAR

KING'S AND KEYSTONE  
HARD WALL  
PLASTERS  
WATERPROOF TRUS-  
CON FINISHES

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**CEMENT AND ASPHALT**  
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ORIGINAL INVENTORS OF  
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In Pointing and Renovating  
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The economical, clean and dependable method of automatically  
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THE PHILADELPHIA REAL ESTATE RECORD AND

# Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS  
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXVII., No. 28.

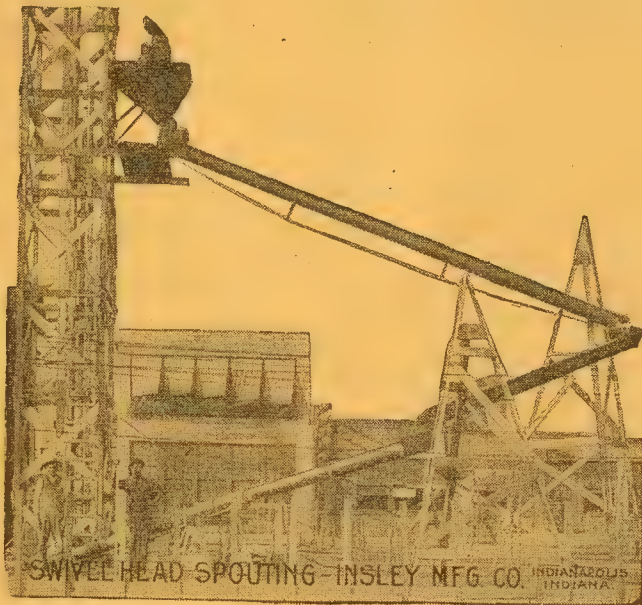
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**PERFECTILE** announcements will be  
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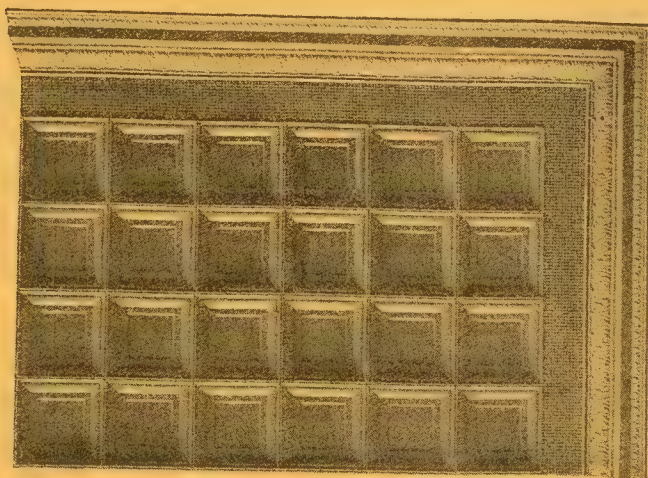
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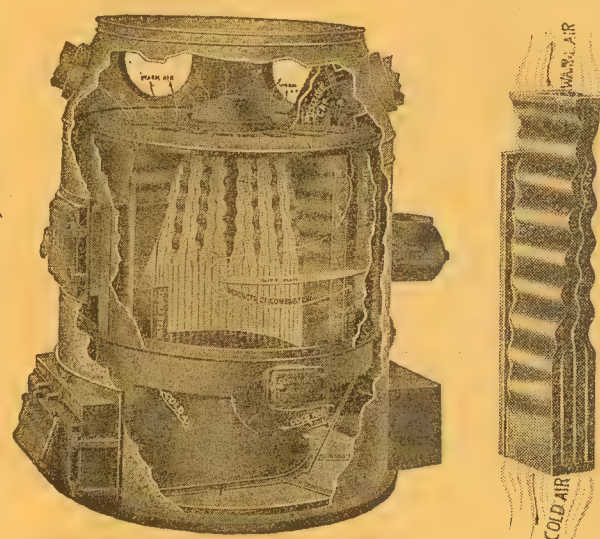
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We have several hundred other designs suitable  
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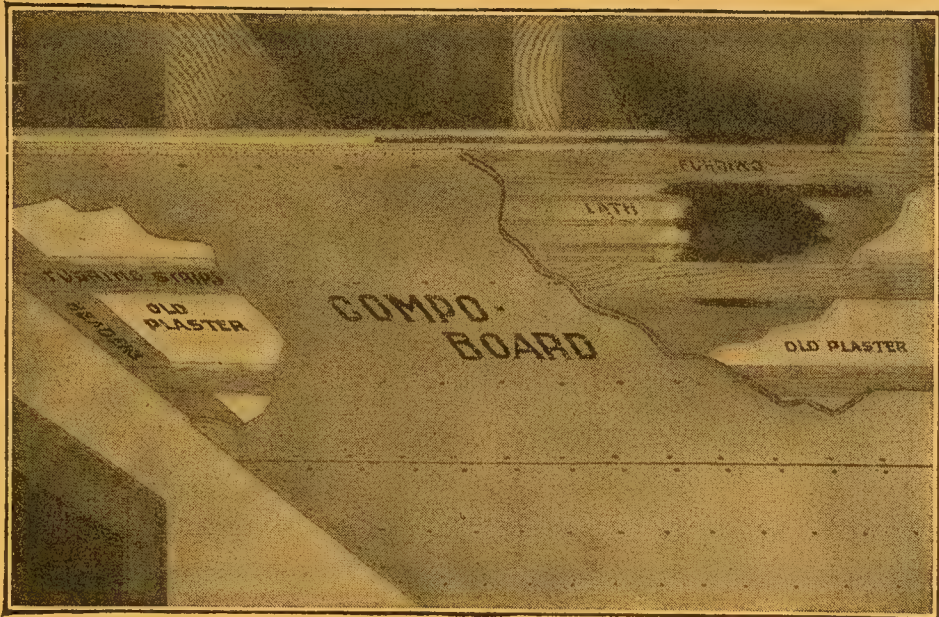
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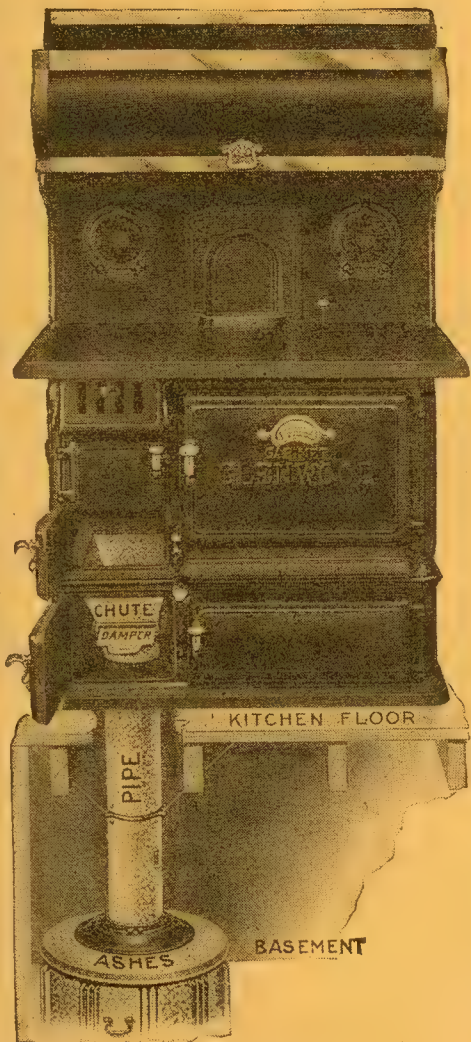
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Monotype Machine Company's Building 24th and Locust Sts.  
and see the Foreman, ask him to show you through the  
rooms just completed by us, note the manner in which we  
protect the floors, pipes, windows etc., and how thorough  
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on whatever work you may want done.

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**Cold Water Painting and Whitewashing**

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PHILADELPHIA

Both Phones

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solves the problem. It is located just  
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sheet iron pipe straight down through  
the kitchen floor to ash barrel in cel-  
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the damper once each day and drop  
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to barrel is another entirely new  
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the Range without ornamentation or fancy  
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Made by Weir Stove Company, Taunton, Mass.

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1860 : 1912

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OF PHILADELPHIA



Organized Sept. 1, 1817  
 Incorporated March 27, 1820

## PERPETUAL CHARTER

Capital, \$750,000.00  
 Assets, \$8,781,315.14

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OF ALL DESCRIPTIONS

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We also renovate old floors.

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If you are a Manufacturer of or dealer in building appliances of any kind and you are sure you have a good article

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They will explain its merits and tell the people where it can be had and you will get the best advertising possible. Better still, make your office with your Exhibit.

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**HARDWOOD  
FLOORS**

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when they can be laid  
at the price we ask for

Our Patent Oak Floors.

Look Into It!

MASTERS PATENT FLOOR CO.  
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Quality  
Roofing  
Slates

Blackboards and structural slate

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Bangor, Pa.

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**Fire Protection  
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Hose  
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25TH AND WHARTON STREETS,  
PHILADELPHIA

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Manufacturer of

**Room Mouldings**

Finished to match all wall papers,  
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PHONE SPRUCE, 62-91



THE PHILADELPHIA REAL ESTATE RECORD AND

# Builders' Guide

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXVII., No. 28.

PHILADELPHIA, WEDNESDAY, JULY 10, 1912.

Less than One Year  
15 Cents per Copy

## Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Court House**, Media, Pa. \$200,000. Architects, Brazer & Robb, 1133 Broadway, New York City. Owners, Delaware County Court House, Media, Pa. Granite, limestone and brick, two stories, 139x206 feet, steam heat, electric light, slag roof. Owners taking bids due July 29. The following are figuring: A. Bottom's Sons & Co., 41 South Fifteenth street; H. L. Brown, 1714 Sansom street; Pennsylvania Construction Company, 14 South Broad street; Alex. Chambley, 243 South Tenth street; Metzger & Wells, Heed Building; J. E. & A. L. Pennock, Land Title Building.

**Court House**, Brazil, Ind. Architect, T. W. Gaddis, Vincennes, Ind. Owner, Clay County Court House. Granite, limestone and brick, three stories, 109x140 feet, steam heat, electric light, composition roof (elevators reserved). Owners taking bids due July 30. J. E. & A. L. Pennock, Land Title Building, are figuring.

**Residences (2)**, Sedgwick Farms, Germantown. \$17,000. Architect, Burt Tourison, Land Title Building. Owners, Sedgwick Farm Company, 7014 Boyer street, Germantown. Stone, three stories, 30x50 feet and 49x30 feet, slate roof, electric light, hot water heat, hardwood floors. Plans in progress.

**School**, Fort Washington, Pa. Architects, Schermerhorn & Phillips, 430 Walnut street. Owner, Upper Dublin Township School Board, Fort Washington, Pa. Stone, two stories, 50x75 feet, slag roof, hot air heating electric light. Plans about completed. Architects will be ready for bids in about one week.

**Residences (2)**, 1837-39 North Ninth street. Architect, C. E. Rahn, 410 Walnut street. Owner, F. J. Krauter, Jr. Brick, two stories, 14x40 feet, slag roof electric light hot air heat. Architect taking bids due July 10. The following are figuring: Wm. R. Dougherty, 1610 Sansom street.

**Armory (alt. and add.)**, Broad and Callowhill streets. \$60,000. Architect, private plans. Owners, First Regiment Infantry Association, floors, interior alterations to basement, 135x150 feet, swimming pool, bowling alleys, steel lockers (1,600), electric light, steam heat, elevators. Builder E. E. Hollenbach, Fifteenth and Race streets, is taking revised bids due July 9.

**School**, Manayunk, Pa. Architect, H. Zimmerman, Frankford, Phila. Owners, St. Josephat's School, on premises. Brick and lime-

stone, three stories, 60x91 feet, hot water heater, electric light, tin roof, steam heat. Architect taking bids due July 13. Wm. R. Dougherty, 1610 Sansom street, is figuring.

**School**, Chester, Pa. Architects, Seymour & Paul A. Davis, 1713 Sansom street. Owners, Board of Education, Chester, Pa. Brick, three stories, 160x80 feet, slate roof, steam heat, two toilet rooms. Architect taking bids due July 23. The following are figuring: Doak & Co., Crozer Building; Wm. R. Dougherty, 1610 Sansom street; Mitchell Bros., 2125 Race street.

**Nurses' Home**, Twentieth and Susquehanna avenue. Architects, Pueckert & Wunder, 310 Chestnut street. Owner, Women's Homeopathic Hospital, on premises. Brick and terra cotta, three stories, 45x81 feet, slate roof, steam heat, electric light. Architects taking bids due July 13. The following are figuring: Hoover & Sons, Builders' Exchange; Halbach Contracting Company, Twenty-sixth and Thompson streets; H. L. Brown, 1714 Sansom street; George & Borst, 277 South Eleventh street; Wm. H. Eddleman, 453 Green Lane; M. S. Oberholtzer, 5524 Pulaski avenue.

**Stores**, 2312 Chestnut street. Architects, Hays & Rehfuß, 1524 Chestnut street. Owner, Murray Gibson, 3601 Chestnut street. Plaster, three stories, 30x65 feet, tin roof, electric light (plumbing and heating reserved). Architects have received bids.

**Bank (remodeling)**, Second and Market streets, Camden, N. J. \$40,000. Architects, Seymour & Paul A. Davis, 1713 Sansom street. Owners, National State Bank of Camden, N. J., on premises. Brick, granite, two stories, steam heat, electric light, tin roof. Architects taking bids due July 13. The following are figuring: Wm. R. Dougherty, 1610 Sansom street; Doak & Co., Crozer Building; H. E. Batton, Tenth and Sansom streets; Roydhouse-Arey Company, Fidelity Building; Stacey Reeves & Sons, 1613 Filbert street; Jacob Myers & Sons, Witherspoon Building; Turner & Stewart, 828 Broadway, Camden, N. J.; Geo. Bachmann, 19 North Thirtieth street, Camden, N. J.

**Library**, Twentieth and Shunk streets. Architect, J. T. Windrim, Twelfth and Chestnut streets. Owners, Free Library of Philadelphia, Thirteenth and Locust streets. Brick and granite, two stories, 83x89 feet, slate roof (heat and light reserved). Architect taking bids due July 16. The following are figuring:

Metzger & Wells, Heed Building, J. Myers & Sons, Witherspoon Building; Charles McCaul Company, Tenth and Sansom streets; Pomeroy Construction Company, 1609 Ransstead street; A. Whitehead, 1624 Latimer street; B. Ketcham's Son, 1029 Brown street; Wm. R. Dougherty, 1610 Sansom street.

**Building (alt. and add.)**, 333 North Third street. Architect, Ralph White, Pennsylvania Building. Owner, Name withheld. Brick, one story, tin roof. Architect has received bids.

**Residence**, Lansdowne, Pa. \$10,000. Architects, De Armond, Ashmead & Bickley, 618 Chestnut street. Owner, Samuel K. Phillips, 421 Chestnut street. Frame, two and one-half stories, 50x30 feet, slate roof, hot water heat, hardwood floors. Plans in progress.

**Chapel**, Hackensack, N. J. Architects, De Armond, Ashmead & Bickley, 618 Chestnut street. Owner, St. Margaret's Roman Catholic Church, care Rev. Peter Coreoran, Hackensack, N. J. Brick, one story, 64x30 feet, shingle roof, hot water heat. Architects ready for bids.

**Office Building**, Reading, Pa. Architect, private plans. Owners, Pennsylvania Railroad Company, Room 360 Broad Street Station. Brick and stone, three stories, 45x80 feet, electric light, steam heat, slag roof. Owners taking bids due July 10. The following are figuring: Roydhouse-Arey Company, Fidelity Building; Armstrong & Latta, Land Title Building; Linker-Losse Company, Heed Building.

**Boiler Room**, 1015 Market street. Architects, Stearns & Castor, Stephen Girard Building. Owners, Berg Bros., on premises. Brick, concrete and steel, slag roof, electric light. Architects have received bids.

**Passenger Station**, Fort Wayne, Ind. Architects, Price & McLanahan, Sixteenth and Walnut streets. Owners, Pennsylvania Railroad Company. Stone and brick, two stories, 40x90 feet, electric light, steam heat, slag roof. Owners taking bids due July 13. Roydhouse-Arey Company, Fidelity Building, Philadelphia, are figuring.

**Store Building**, New Castle, Pa. Architects, C. C. & A. L. Thayer, New Castle, Pa. Owners, New Castle Dry Goods Company. Brick, terra cotta, fireproof, four stories, 56x188 feet, electric light, steam heat, slag roof, elevators. Architects taking bids due July 15. Roydhouse-Arey Company, Fidelity Building, are figuring.



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Branch Office, Allentown, Pa.  
**225 COMMONWEALTH BUILDING**

**Building**, Main and Sixth streets, Richmond, Va. Architects, Carmeal & Johnson, Richmond, Va. Owners, Chamber of Commerce, Richmond, Va. Granite, brick, terra cotta, fireproof, seven stories, 60x90 feet electric light, slag roof, four toilet rooms (heat and elevators reserved). Architects taking bids due July 12. Metzger & Wells, Heed Building, are figuring.

**Bank and Office Building**, Raleigh, N. C. Architect, P. Thornton Marye, Atlanta, Ga. Owners, Citizens' National Bank. Brick, granite, terra cotta, ten stories, 50x100 feet, slag roof, electric light, steam heat, elevators. Architect taking bids due July 29. Metzger & Wells, Heed Building, are figuring.

**Rectory**, Camden, N. J. Architects, Folsom & Lackey, 1433 Chestnut street. Owners, Church of Our Saviour, Camden, N. J. Stone and plaster, three stories, 25x40 feet, electric light, slate roof, one bath room (heat reserved). Architects taking bids due July 9. The following are figuring: E. J. Kreitzburg, 1345 Arch street; Geo. Kessler, Drexel Building; Bowers & Logan, 2010 Chancellor street; Boyer & Lewis, Camden, N. J.

**Mill Building**, Hancock and Turner streets. Architects, W. E. S. Dyer, Land Title Building. Owners, Belber Trunk & Bag Co., 1641 North Hancock street. Brick, one story, 60x100 feet, slag roof, electric light. Architect taking bids due July 9. The following are figuring: Pomeroy Construction Company, 1609 Ranstead street.

**Building (No. 4)**, Glenwood avenue and Eighteenth street. Architects and Engineers, Averell & Adams, Washington, D. C. Owners, Hale & Kilburn Co., Eighteenth and Lehigh avenue. Brick and concrete, four stories, 40x279 feet, slag roof, electric light. Owners taking bids due July 15. The following are figuring: Wm. R. Dougherty, 1610 Sansom street; Doyle & Co., 1519 Sansom street; J. G. Doak & Co., Crozer Building; Cramp & Co., Denckla Building; Roydhouse-Arey Co., Fidelity Building.

**Residence**, Sharon Hill, Pa. \$6,000. Architect, Francis G. Caldwell, Stephen Girard Building. Owners, Dr. P. G. Skillern, 241 South Thirteenth street. Frame, two and one-half stories, 20x25 feet, shingle roof, electric light (heating reserved). Architect taking bids due July 11. The following are figuring: J. B. Flounders, 1329 Arch street; Bowers & Logan, 2010 Chancellor street; R. H. Anderson, Lansdowne, Pa.; J. W. Meckert & Co., Glenolden, Pa.

**Offices (alt. and add.)**, 228 South Third st. Architect, private plans. Owners, Lehigh Val-

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**N. E. Cor. 22d and Wood Streets**

ley Railroad, on premises. Brick, steel and plaster, electric light. Owners taking bids due July 13. George Hogg, 1634 Sansom street, is figuring.

**Factories**, Blue Bell, Pa. Architects, Helper Engineering and Construction Company, Real Estate Trust Building. Owners, General Refractories Company, Blue Bell, Pa. Steel, brick and galvanized iron, one story, 73x45 feet. Owners taking bids due July 10. Stacey Reeves & Son, 1609 Filbert street, is figuring.

**Residence for Apartments (alt. and add.)**, 2106 North Seventeenth street. Architect, Frank See burger, Pennsylvania Building. Owner, Mrs. C. W. Sherr, care of J. Stafford, 1112 Chestnut street. Brick, three stories. Owner taking bids due July 10. The following are figuring: Smith-Hardican, 1606 Cherry street; Thomas Little & Sons, 1615 Sansom street.

**Residence (alt. and add.)**, 3837 Baring st. Architect, A. B. Lacey, 1012 Walnut street. Owner, B. V. Piard, Fortieth and Market streets. Brick and rough plaster, three stories, tin roof. Architect taking bids due July 10. F. E. Wallace, 1210 Sansom street, only bidder.

**Parsonage**, Cheltenham and Stenton avenue, Germantown. Architect, private plans. Owners, Cheltenham Avenue Methodist Episcopal Church, on premises. Stone and brick, three stories, 17x56 feet, slate roof, electric light, hot water heat. Owners taking bids due July 10. F. E. Wallace, 1210 Sansom street, is the only bidder.

**Church**, Darby, Pa. Architects, Morris & Erskine, Crozer Building. Owners, African Methodist Episcopal Church, Darby, Pa. Stone and brick, one story, 76x40 feet, slate roof. Architects taking bids due July 13. The following are figuring: H. E. Grau Company, 1709 Sansom street; R. H. Anderson, Lansdowne, Pa.; Scott & Clark, Darby, Pa.; Tarbottom & Son, Darby, Pa.

**Factory (three buildings)**, Camden, N. J. Architect, Spencer Roberts, 1524 Chestnut street. Owners, Felton Sibley Varnish Company, Camden, N. J. Brick, one and two stories, steam heat, electric light, slag and metal roof. Architect taking bids, due July 13th. The following are figuring: Thomas Little & Son, 1615 Sansom street; J. G. Doak & Co., Crozier Building; D. McCarthy, 1937 North Seventh street; J. Sims Wilson, 1125 Brown street; J. N. Gill, Heed Building; T. C. Trafford, 1613 Sansom street; George Hogg, 1634 Sansom street; J. R. Wiggins, Heed Building; William R. Dougherty, 1608 Sansom street.

**Garage**, 1534-42 Wood street. Architects, Sauer & Hahn, 1112 Chestnut street. Owners, Pullman Taxi Company, 1540 Wood street. Brick, three stories, 86x82 feet, steam heat, electric light, slag roof. Plans in progress.

**Apartment House (alt. and add.)**, Forty-fourth and Walnut streets. Architects, Sauer & Hahn, 1112 Chestnut street. Owner, Ira S. Fallin, 33 South Front street. Stone and brick, three stories, slag roof, electric light, vapor heat. Plans in progress.

**Residence and Garage**, Chester, Pa. Architects, Savery, Scheetz & Savery, Stephen Girard Building. Owner, Robert Wetherill, Chester, Pa. Stone, three stories, 42x59 feet,

three bath rooms. Mohawk slate roof, oak floors, hot water heating, electric lighting. Architects taking bids, due July 13th. The following are figuring: Metzger & Wells, Heed Building; H. E. Grau Company, 1707 Sansom street; R. C. Ballinger & Co., 218 North Thirteenth street; H. H. Burrell, 1204 Chancellor street; W. D. Haddock & Co., Wilmington, Del.; Mowrer Bros., Merion, Pa.; William J. Provost, Chester, Pa.

**Hospital**, Troy, N. Y. Architects, M. L. & H. G. Emery, Albany, N. Y. Owners, Troy Hospital, N. Y. Brick, limestone, granite, six stories, 57x340 feet. Slag roof, electric light, steam heat, elevators. Architects taking bids, due July 16th. J. E. & A. L. Pennock, Land Title Building, are figuring.

**Cottage**, Fanwood, N. J. Architects, Oakley & Sons, Elizabeth, N. J. Owner, Tuberculosis Farm Property, Fanwood, N. J. Shingle and plaster, two stories, 32x51 feet. Shingle roof, electric light. Architects taking bids. Metzger & Wells, Heed Building, are figuring.

**Alt. and add. for Stores and Apartments**, Fifty-fourth and Pine streets. Architect, private plans. Owner, Charles Sloffie, Fifty-fourth and Pine streets. Brick, two stories, electric light, steam heat. Owner taking bids, due July 11th. P. J. Hurley, 1233 Cherry street, is figuring.

**Factory (add.)**, Lester, Pa. Architects, Ballinger & Perrot, 1211 Arch street. Owners, Lester Piano Company, on premises. Brick, one story, 28x36 feet. Electric light, slag roof. Architects taking bids, due July 11th. Burd P. Evans, Thirteenth and Wallace streets; H. H. Burrell, 1204 Chancellor street; P. J. Hurley, 1233 Cherry street; William Provost, Chester, Pa., are figuring.

**Administration Building (alt. and add.)**, Gloucester, N. J. Architect, Oscar Wenderoth, Washington, D. C., Treasury Department. Owners, United States Government. Consists of millwork, painting, glazing, hardware and metal weather strips. Owners taking bids, due July 16th. The following are figuring: Burd P. Evans, Thirteenth and Wallace streets; Gurnsey & O'Marah, North American Building.

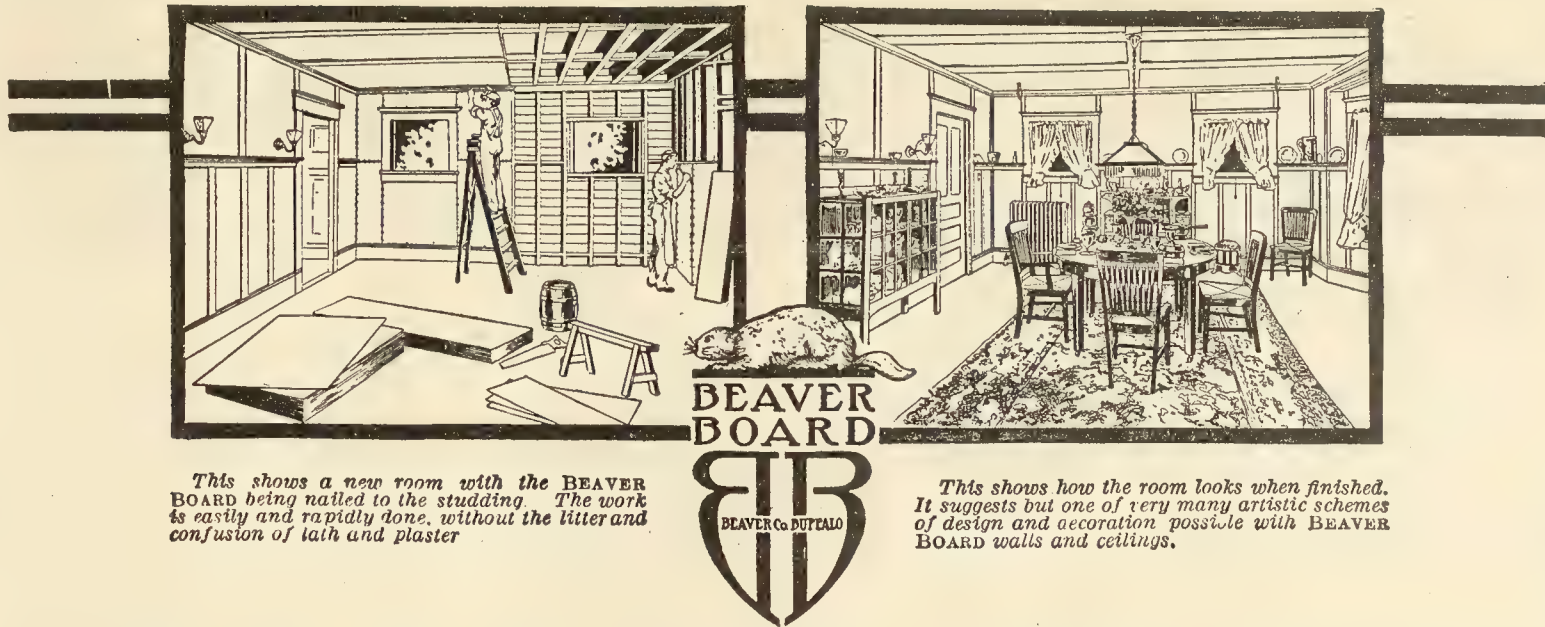
**Infirmmary**, Bryn Mawr, Pa. Architects, Soule & De Forrest. Owners, Bryn Mawr College, on premises. Plaster, three stories, 86x90 feet. Canvas roof, (electric light, steam heat and plumbing reserved by owners). Owners taking bids, due July 11th. H. H. Burrell, 1204 Chancellor street, is figuring.

**Residence (alt. and add.)**, Germantown, Philadelphia. Architect, H. W. Sellers, Stephen Girard Building. Owner, Ed. V. D'Inveiliers, on premises. Brick and shingle, three stories, 20x25 feet. Shingle roof, hot water heat, (electric light and plumbing reserved). Architect taking bids, due July 10th. The following are figuring: A. L. Fretz & Sons, 1222 Chancellor street; H. H. Burrell, 1204 Chancellor street.

**Residence (add. and alt.)**, Overbrook, Pa. Architect, private plans. Owner, James H. Emack, Drexel Apartments. Stone, two stories, electric light, steam heat, slate roof. Burd P. Evans, Thirteenth and Wallace, is taking sub-bids.

**Plant (Group of Buildings)**, Moline, Ill., \$100,000. Architects, Day & Zimmerman, 608





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Chestnut street. Owners, Barnard & Neas Manufacturing Company, Moline, Ill. Brick and steel, one and two stories. Plans in progress.

**Church**, Burlington, N. J. Architect, Geo. E. Savage, Witherspoon Building. Owners, First Baptist Church, Burlington, N. J. Stone, one story, slate roof, steam heating. Architect taking bids, due July 11th. The following are figuring: William Wrifford, Camden, N. J.; J. W. Draper, Camden, N. J.; George Bachmann, Camden, N. J.; J. S. Rogers Co., Stanwick, N. J.; John Norcross, Burlington, N. J.; Harry Williams, Burlington, N. J.

**Church**, Pleasantville, N. J. Architect, Geo. E. Savage, Witherspoon Building. Owners, Salem M. E. Church, Pleasantville, N. J. Stone, one story, slate roof, steam heating. Architect taking bids. The following are figuring: Alexander Chambley, 243 South Tenth street; Brown Bros., Atlantic City, N. J.; Parsons & Tilton, Atlantic City, N. J.; Hampton Bros., Atlantic City, N. J.; Charles D. Thompson, Pleasantville, N. J.; James Pasquale, Vineland, N. J.

**Store**, Eleventh and Commerce streets. Architects, Stearns & Castor, Stephen Girard

Building. Owners, Berg Bros., 1005 Market street. Brick, terra cotta, granite, fireproof, eight stories, 78x92 feet. Elevator, slag roof, (heat and light reserved). Architects taking revised bids, due July 17th. The following are figuring: J. N. Gill & Co., Heed Building; F. W. Wallace, 1210 Sansom street; H. E. Baton, Tenth and Sansom streets; William R. Dougherty, 1610 Sansom street; John W. Emery, 1524 Sansom street; A. R. Raff, 1625 Thompson street; Cramp & Co., Denekla Building; J. G. Doak & Co., Crozer Building; B. Ketcham's Sons, 1029 Brown street.

**Hall Building**, Nineteenth and Catharine streets, \$50,000. Architects, S. Milligan & C. M. Pearson, 520 Walnut street. Owners, Grand United Order of Odd Fellows, Twelfth and Spruce streets. Stone and brick, three stories, 50x125 feet. Slag roof, electric light, steam heat. Architects taking bids, due July 17th. The following are figuring: H. H. Wehmeyer, 1004 West Lehigh avenue; T. C. Trafford, 1613 Sansom street; F. F. Baldwin, 2116 Estaugh street; George F. Pawling Company, Broad and Vine streets; Henry Dahl, 213 South Eighth street; W. J. Chase, 1923 North Eleventh street.

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## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Office Building** (alt. and add.), 24 to 28 South Fifteenth street. Architect, Walter Smedley, Stephen Girard Building. Owner, A. W. Vollmer, Bailey Building. Brick, five stories, steam heat, electric light. Contract

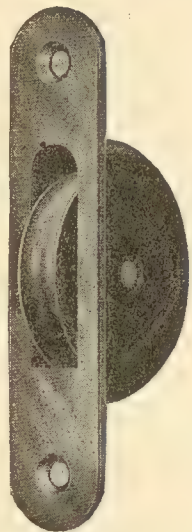
awarded to Ed. Fay & Sons, 1521 Ranstead street.

**Residence** (alt. and add.), Rosemont, Pa. Architects, Stewartson & Page, 320 Walnut street. Owner, R. K. Cassatt Estate, Rose-



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mont, Pa. Stone, three stories, hot air heat,  
marble and tile work. Contract awarded to  
F. H. Mahan, Ardmore, Pa.

School, Eighteenth and Wood streets. \$160,-  
000. Architects, E. F. Durang & Son, Inc.,  
Twelfth and Chestnut streets. Owners, Cathed-  
ral School, care Rev. W. J. Higgins. Mar-  
ble, brick, terra cotta, three stories, 86x175  
feet, slag roof (heat and light reserved). Con-  
tract awarded to Melody & Keating, Bailey  
Building.

Factory, Second and Ashdale avenue.  
Architect, private plans. Owner, German-  
town Tool Works, 518 Commerce street.  
Brick, one story, 100x290 feet, slag roof, elec-  
tric light. Contract awarded to F. W. Van  
Loon, Denckla Building.

Armory (alt. and add.), Media, Pa. Archi-  
tects, Price & McLanahan, Sixteenth and  
Walnut streets. Owners, Sixth Regiment  
Armory, Media, Pa. Stone and terra cotta,  
two stories, slag roof, steam heat. Contract  
awarded to H. E. Grau Company, 1709 San-  
som street.

Hospital (alt. and add.), Broad and Wolf  
streets. Architects, Stearns & Castor, Steph-  
en Girard Building. Owner, Methodist Epis-  
copal Hospital, on premises. Brick, consists  
of interior alterations. Contract awarded to  
Frank E. Wallace, 1210 Sansom street.

Tower, Franklin and Church streets.  
\$11,000. Architects, E. F. Durang & Sons,  
Inc., Twelfth and Chestnut streets. Owners,  
St. Joachim's Church, on premises. Brown-  
stone. Contract awarded to James J. Murphy,  
4034 Powelton avenue.

Office Building (alt. and add.), 321 Chest-  
nut street. Architect, private plans. Owners,  
E. W. Clark & Co., on premises. Brick and  
marble, four stories, 36x109 feet, slag roof,  
steam heat, electric light. Contract awarded  
to Thomas M. Seeds, 1207 Race street.

Armory (alt. and add.), Atlantic City, N.  
J. Architects, Seymour & Paul A. Davis, 1713  
Sansom street. Owners, The Morris Guards,  
Atlantic City, N. J. Brick and plaster, three  
stories, slag roof, hot water heating, maple  
floors, five toilet rooms. Contract awarded  
to Knauer & Co., 132 South New York ave-  
nue, Atlantic City, N. J.

Residence, Ocean City, N. J. Architects,  
Peuckert & Wunder, 310 Chestnut street.  
Owner, Peter P. Liebert, Green Lane and  
Manayunk avenue. Frame, three stories,  
45x55 feet, shingle roof, electric light. Con-  
tract awarded to Wm. H. Eddleman, 453  
Green Lane, Roxborough, Pa.

Station E, Twenty-first and Ranstead  
streets. Architect, J. T. Windrim, Common-  
wealth Building. Owner, Philadelphia Elec-  
tric Company, Tenth and Chestnut streets.  
Brick, one story, limestone, slag roof. Con-

tract awarded to J. R. Wiggins & Co., Heed  
Building.

Residence, Overbrook, Pa. \$9,000. Archi-  
tects, Bailey & Bassett, 421 Chestnut street.  
Owner, J. H. Reading, Jr., 1811 Green street.  
Brick, three stories. Contract awarded to  
Metzger & Wells, Heed Building.

Residences (8), East Rittenhouse street,  
Germantown. \$14,000. Architects, Mellor &  
Meigs, Lafayette Building. Owners, Octavia  
Hill Association, 613 Lombard street. Brick,  
two stories, 15x41 feet, slag roof, electric  
light. Owners sub-contracted all work.

School, Eighty-eighth and Tinicum avenue.  
Architect, J. H. Cook, City Hall. Owners,  
Board of Education, City Hall. Brick, lime-  
stone, terra cotta, three stories, 76x129 feet,  
electric light, steam heat, maple floor, slate  
roof. Bids opened as follows: Cramp & Co.,  
Denckla Building, \$106,625; P. J. Hurley, 1233  
Cherry street, \$106,755; H. E. Baton, Tenth  
and Sansom streets, \$108,127; J. W. Emery,  
1524 Sansom street, \$111,684; Mitchell Bros.,  
2125 Race street, \$118,900.

Stable and Coachman's House, Merion, Pa.  
Architect, Frank Seeburger, Pennsylvania  
Building. Owner, M. J. McManamin, Arcade  
Building. Stone, two stories, 50x60 feet, slate  
roof, steam heat. Contract awarded to Mow-  
rer Bros., Merion, Pa.

Residence (alt. and add.), Chestnut Hill,  
Philadelphia. \$10,000. Architect, Charles B.  
Keen, Bailey Building. Owner, Dr. B. R.  
Marsden, 8811 Germantown avenue. Brick,  
three stories, slag roof. Contract awarded  
to Thomas M. Seeds, 1207 Race street.

Building, 123 South Thirteenth street. Archi-  
tects, Stuckert & Sloan, Crozer Building.  
Owner, S. J. M. Brock, agent, Franklin Bank  
Building. Brick, three and one-half stories,  
16x92 feet. Slag roof, electric light, steam  
heat. Contract awarded to Alexander Cham-  
bley, 243 South Tenth street.

Cottage, Melrose, Pa. Architects, Stearns  
& Castor, Stephen Girard Building. Owner's  
name withheld. Plaster, two and one-half  
stories, 25x35 feet. Slate roof, electric light,  
steam heat. Contract awarded to W. D.  
Sperry, Glenside, Pa.

Residence (alt. and add.), 2101 Delaney  
street, \$16,000. Architect, Ed. S. Paxon, 729  
Walnut street. Owner, Judge Robert Von  
Morschisler, 1336 Spruce street. Stone and  
brick, four stories, hardwood floors, slate roof.  
Contract awarded to H. E. Grau Company,  
1707 Sansom street.

Building (alt. and add.), Ninth and Noble  
streets. Architect, A. E. Bump, Boston, Mass.  
Owners, Swift & Co., Ninth and Noble  
streets. Brick and concrete, one story, 45x100  
feet. Enamel brick. Contract awarded to  
Linker-Losse Company, Heed Building.

## Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

F. K. Simons (O), Morris Building. Cost,  
\$5,000. One dwelling, brick, three stories,  
21x31 feet, Forty-eight and Chester avenue.

S. Berger (O), 416 Queen street. Cost,  
\$2,700. Store and dwelling, brick, three stor-  
ies, 16x27 feet, 3113 Frankford avenue.

Mt. Airy M. E. Church (O), Mt. Airy, Pa.  
W. F. Baldwin & Co. (C), 2116 East Staugh  
street. Cost, \$13,572. Church, stone, one  
story, 71x61 feet, Mt. Airy, Pa.

J. F. Zeh (O), 5118 North Mervine street.  
Cost, \$2,600. One dwelling, brick, two stor-



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Pletcher-McNally & Bros. (O), 5600 Germantown avenue. F. J. Boas (C), 201 North Broad street. Cost, \$30,000. Store and office building, brick, two stories, 91x100 feet, 5526 Germantown avenue.

Octavia Hill Association (O), 613 Lombard street. Cost, \$7,200. Four dwellings, brick, two stories, 14x41 feet. Cost, \$3,000. Two dwellings. Cost, \$3,200. Two dwellings. Cost, \$1,600. One dwelling. Magnolia and Rittenhouse streets.

W. Rearden (O), 465 Ripka avenue. Geo. W. Robinson (C), 515 East Conarroe street. Cost, \$2,000. One dwelling, brick, two stories, 16x44 feet, Hermitage and Lawton streets.

David Cram (O), 6600 Woodland avenue. Cost, \$2,500. One store and dwelling, two stories, brick, 16x48 feet, Sixty-first and Walton avenue.

Ed. T. Flood (O), Broad and Venango streets. H. T. Buxton (C), 3329 North Fifth street. Cost, \$12,000. Dwelling, three stories, stone, 36x49 feet, Wayne avenue and Horter street.

Jos. Domanski (O), 1634 Ruffuce street. Cost, \$3,600. Two dwellings, brick, two stories, 14x25 feet, 1441-1443 Lycoming street.

Alias Karvoth (O), Island Road and Avenue F. Geo. S. Roe (C), 6935 Pashall Avenue. Cost, \$3,700. Two dwellings, brick, two stories, 16x41 feet Island Road and Avenue F.

Rt. Rev. E. F. Prendergast (O), 228 North Nineteenth street. Melody & Keating (C), Bailey Building. Cost, \$84,000. Residence, stone, three stories, 47x70 feet, Eighteenth and Race streets.

Packard Motor Car Company (O), Broad and Wood streets. Geo. F. Pawling Company (C), 1400 Vine street. Cost, \$12,000. Building, brick, one story, 69x137 feet, Broad and Wood streets.

## Alterations and Additions

Schuylkill Forging Company (O), American and Pike streets. J. J. Harding (C), 746 Ringgold street. Cost, \$3,000. Blacksmith shop, American and Pike streets.

George J. Fleck (O), 50 North Fifty-fourth street. George Downward (C), 2125 South Frazier street. Cost, \$2,200. Store, 5508-10 Woodland avenue.

George H. Earle (O), Franklin Bank Building. Smith Hardican Company (C), 1606 Cherry street. Cost, \$2,000. Store, 228 Market street.

Henry Wiemer (O), 227 North Eighteenth street. Henry Weimer (C), 227 North Eighteenth street. Cost, \$1,000. Garage, Eighteenth and Summer streets.

F. A. Poth (O), Thirty-first and Master streets. Stewart & Stevens (C), Ninth and Montgomery avenue. Cost, \$2,500. Apartments, 4126-52 Parkside avenue.

William Cunningham (O), 1100 Federal street. Green & Thomas (C), 8817 Botanic avenue. Cost, \$1,000. Dwelling, Eighty-fourth and Vance streets.

Ed. A. Woltz, Esq. (O), 1622 Chestnut st. Mitchell Brothers (C), 2125 Race street. Cost, \$800. Store.

Mrs. G. Smith (O), 1232 Race street. J. Bird Company (C), 213 North Eleventh street. Cost, \$1,600. Offices, 1232 Race street.

G. Myers (O), 1018 Moyamensing avenue. Ed. B. Meas (C), 927 Jackson street. Cost, \$1,000. Store and dwelling.

University of Pennsylvania (O), Thirty-third and Spruce streets. Doyle & Co. (C), 1519 Sansom street. Cost, \$6,000. Grandstand, Thirty-third and Spruce streets.

J. C. Herman (O), 1217 Columbia avenue. S. Campbell (C), 1008 Columbia avenue. Cost, \$1,000. Saloon, 1217 Columbia avenue.

D. B. Martin Co. (O), Thirtieth and Market streets. C. McCaul (C), Tenth and Sansom streets. Cost, \$4,500. Storage, Thirtieth and Market streets.

Mrs. J. C. Horst (O), 1618 Pine street. F. V. Yeager (C), 9 South Thirty-sixth street. Cost, \$1,400. Dwelling, 1823 Pine street.

R. K. Sturts (O), 2138 Pine street. F. F. Mercer Co. (C), 1706 De Lancey street. Cost, \$6,000. School, 401 South Twenty-second street.

Mrs. Leish (O), 230 Manning street. F. B. Davis (C), 35 South Seventeenth street. Cost, \$2,575. Store and dwelling.

Samuel Jamison (O), 3 and 5 South Water street. Wm. Wrixford (C), 535 Market street, Camden, N. J. Cost, \$15,000. Hotel, 1337-39-41 Arch street.

C. J. Milne (O), Tenth and Washington avenue. Wm. R. Dougherty (C), 1610 Sansom street. Cost, \$1,100. Building, Tenth and Washington avenue.

J. J. Tormey (O), 135 East Mt. Airy avenue. Wm. R. Dougherty (C), 1608 Sansam street. Cost, \$6,300. Residence.

Lit Brothers (O), Eighth and Market street. J. N. Gill Company, Heed Building. Cost, \$1,200. Store, Eighth and Market streets.

Peter Woll & Son (O), Hancock and Berks streets. Wm. Steele & Sons (C), Sixteenth and Arch streets. Cost, \$2,100. Boiler house, Hancock and Berks streets.

Frank Hardart (O), 2126 Market street. Turner Concrete Steel Company (C), 1314 Arch street. Cost, \$16,000. Garage, 2126 Market street.

City of Philadelphia (O), City Hall. E. H. Sturts (C), 2614 Ridge avenue. Cost, \$2,800. School, Seventeenth and Susquehanna avenue. Cost, \$2,300. School, Seventh and Beister avenue.

Girard Trust Company (O), Broad and Chestnut streets. J. M. Daniels (C), 252 South Juniper street. Cost, \$2,130. Dwelling, 113 South Twentieth street.

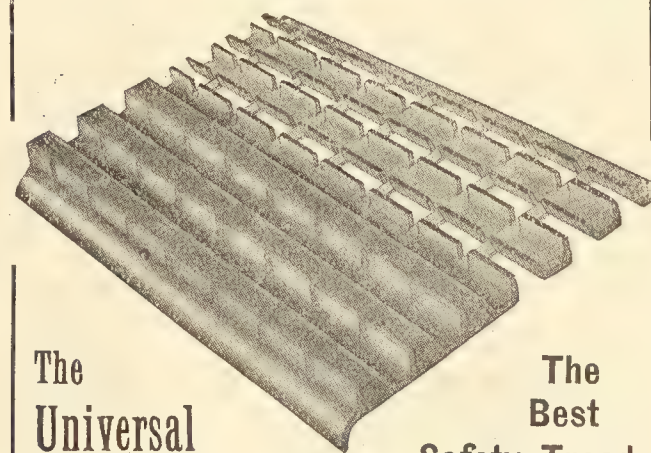
Ed. M. Flood (O), 1802 Market street. A. Whitehead (C), 1624 Latimer street. Cost, \$2,600. Saloon, 1802 Market street.

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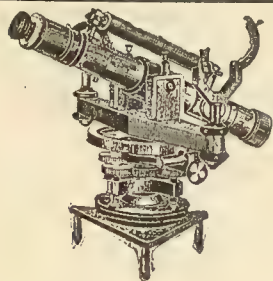
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## Architectural Notes

The current number of "Arts and Decoration" contains a merited tribute to the now generally recognized ascendancy of Philadelphia architects in country-house design:

"The architects of Pennsylvania," observes "Arts and Decoration," "mostly with offices in Philadelphia, have shown, perhaps, a greater feeling for conservatism and consistency in country-house design than has been manifested elsewhere in the Atlantic States.

"The suburbs of Philadelphia, such as Berwyn, Ardmore, Cynwyd, Radnor, Merion, Bryn Mawr and the vicinity, have been built up with admirable modern adaptations of the Revolutionary farmhouses which are so frequently met with throughout Pennsylvania, and it is doubtful if latter-day country-house work of any other type has been so thoroughly sincere in its handling or so generally successful in its appearance.

"In addition to the native Colonial type of architecture the Philadelphia architects have evolved a peculiarly satisfying adaptation of English domestic architecture. Wilson, Eyre, Charles Barton Keen and D. Bisham Page have been very successful along these lines, as have Mellor & Meigs.

"Although rough fieldstone, in its natural state, is not essentially a characteristic material in the construction of the English country house, it has here been most ingeniously combined in perfect harmony with the half-timber work of the gable."

\* \* \*

From an article in the same publication, discussing "The Trend of Modern Domestic Architecture in England," with particular reference to the work of Mr. C. F. A. Voysey, by Mr. C. Matlack Price, we quote the appended expressions:

"C. F. A. Voysey has ever been of the firm conviction," writes Mr. Price, "that architecture, to possess any significance, must be a living art. It must show an ever-changing and ever-developing character, while the continual striving for style must be constantly subordinated to carefully studied conformity with nature. Frank Miles Day, Grosvenor Atterbury and Wilson Eyre, with a few others in this country, appreciate this study of the house in relation to its surroundings; a deplorably vast number, however, think of the house as a disconnected entity, if they think about it at all, and possibly hope that it will look well after it is done, and will not fight too viciously with the landscape.

Voysey contends that the architect who merely remembers what he has learned is approximately in the intellectual class with the parrot. And his contention is true. Voysey keeps for the keynote of his design an expression of absolute sincerity and straightforward simplicity. He gets an effect simply because he does not strive for it, and his work rings

true because his theories are basic rather than superficial and because the conclusive note of its 'raison d'être' is expressed in his always frank and undisguised use of materials. Whenever possible he uses materials native to the locality, such as the slates or tiles peculiar to certain parts of the country. And always he allows his slate to be slate and his tile to be tile. He does not nail stained boards on a 'jerry-built' plaster house and call it 'half-timbered,' or make a shingle roof masquerade as tile. He prefers to play fair in the matter and let his materials, as well as his ideas of design, speak for themselves and stand on their own merits. His justification for this attitude, as well as his reward, must be found in the profound and far-reaching influence which his work has had wherever architecture is studied or practised."

\* \* \*

"Furthermore, Voysey believes in construction," says Mr. Price. "If a portion of a building needs a brace he very rightly believes that it will look better if the brace be shown where all who run may read than if it be concealed. It is as much a part of the building as the front door or the chimneys. He never conceals his construction with deceptive ornament, but gives the structural facts of his design their fullest expression, relying for decorative values and textures upon the effect produced by his use of carefully chosen materials. Owen Jones once said: 'Do not construct your decoration, but rather decorate your construction,' which says in a form possibly a trifle elliptical and liable to misapplication, 'Do not run a wooden beam across an opening which does not require or suggest it, merely because you want to put some carving on it. But if you have the beam already there as a structural fact of the building, by all means carve, paint or otherwise decorate it at will.'"

\* \* \*

In an appreciative review of the recent Architectural Exhibition in the gallery of the Academy of Fine Arts, "The Guide" indulged certain enthusiastic sentences in praise of the sturdy craftsmanship shown in the ornamental iron work of Mr. Samuel Yellin, of the Philadelphia School of Industrial Art. It is a bit gratifying to find this enthusiasm echoed by one of the foremost of our contemporaries in the word of art.

"Every hammer stroke in Mr. Yellin's work is a part of the thing he is fashioning," says a writer in "Arts and Decoration," "for which reason he is righteously opposed to painting wrought-iron work. Paint necessarily obliterates the finer evidences of hand work in iron, and Mr. Yellin has been at some pains to invent a transparent preparation which is not only preservative but which also allows the work to speak in terms of its honest craftsmanship.



"Accepting the manifest basic sincerity and the obvious excellency from a technical point of view that characterize Mr. Yellin's work, too much stress cannot be laid on the skillful reserve of his use of ornament.

"The decoration in every case is most cleverly constructed, disposed and treated to impart to the work a certain flavor of rugged medievalism which is an unique in itself as it is appropriate in its application. To know when to stop decorating is to know the most difficult part of craftsmanship, and it is a noteworthy point that not one of the many pieces shown was over-ornamental."

At a recent meeting of the Academy of Design, closing the season, the officers were unanimously re-elected. William Rutherford Meade, architect, was chosen as a member of the Council to succeed Cass Gilbert, and Alexander T. Van Laer to succeed Frederick Dielman. Messrs. Gilbert's and Dielman's three years' terms having expired. The Academicians elected were Walter Cook, architect, and William A. Coffin, Colin Campbell Cooper, Wilton Lockwood, Henry Prellwitz and Lydia Field Emmet, painters.

## Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

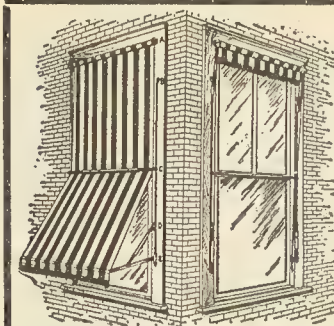
\*\*At the annual meeting of the stockholders of the Plymouth Seam Face Granite Company, held in Boston on June 19, William McCarroll, of New York, was elected president for the ensuing year; Colonel George Treadwell, of Albany, vice-president; H. G. Chatfield, of Boston, treasurer, and Major F. M. Crossett, of New York, managing director. Mr. McCarroll for many years has been very prominent in the social, political and financial life of New York City. In 1907 he was appointed by Governor Hughes a member of the Public Service Commission of the New York City district and served with distinguished ability up to the close of his five-year term, about two months ago. Previous to his appointment on the commission he had been president of the American Leather Company, president of the Morocco Manufacturers' Association, president of the New York Board of Trade and Transportation, president of the Manufacturers' Association of New York, and is now at the head of one of the city's large financial institutions and an officer of many banks and social, religious and political organizations. Mr. McCarroll's entry into the New England granite business is an important event, as the Plymouth company's business, whose quarries are at Hingham and Weymouth, Mass., will be vigorously developed in New England and New York.

\*\*At the regular annual meeting of the Lumber Trade Golf Association, preceded by a banquet at the Hartford Golf Club house,

the following officers were elected: President, H. C. Philbrick, of Boston, Mass.; vice-president, E. B. Humphreys, of Philadelphia; treasurer, W. H. Smedley, of Philadelphia; secretary, Horace A. Reeves, Jr., of Philadelphia. The Executive Committee includes the officers and R. W. Wistar, of Philadelphia; H. C. Morse, of Boston, and Arthur E. Lane, of New York.

\*\*One of the largest orders for paving brick ever placed has been received by the Bradford Press Brick Company. It is for six million pounds of paving blocks to be used on country roads in the State of New York. About 250 cars will be required to ship the brick. This order is scarcely 2 per cent. of the vitrified paving block to be used on the highways of New York State during the next eighteen months. Not only are brick pavements being laid in the cities of New York State but miles of brick roadways are being laid throughout the country districts.

\*\*The General Crushed Stone Company, of Easton, has purchased the quarry property of the Pennsylvania Quarry Company, near White Haven, in Denison Township. The General Crushed Stone Company is now operating the Hendler quarry on the mountain back of Miner's Mills and is supplying to the trade stone of all descriptions, being the largest concern of its kind in the State. The latest purchase embraces about 300 acres on which there are quarries equipped with the latest modern quarrying and crushing machinery, and is reached by branches from the



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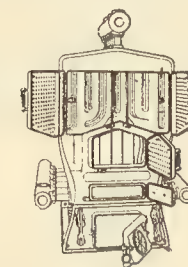
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\*\*The Carrier Air Conditioning Company of America, New York, has issued the following announcements:

We beg to announce that beginning June 1, our Chicago offices will be located in Suite 1001, Fort Dearborne Building, corner of Clarke and Monroe streets. This office will be under the management of our Mr. Donald Stuart and Mr. A. E. Stacey, Jr., both of

whom have been associated with this company for a number of years and are thoroughly qualified to discuss any engineering problems which you may have, and to offer advice on the subjects of air washing, humidifying, dehumidifying and automatic humidity control.

We solicit your patronage and trust that you will make use of this office at your convenience.

Yours very truly,

Carrier Air Conditioning Co.

We beg to announce that our Philadelphia office has been removed to 732-34 Real Estate Trust Building of that city. Mr. E. T. Murphy, M. E., will continue in charge of this territory which embraces eastern Pennsylvania, southern part of New Jersey, Delaware, Maryland and Virginia. We trust that we may have the pleasure of serving you through our Philadelphia office.

\*\*Powell Evans, president of the old established firm of Merchant & Evans Company, with main offices in Philadelphia, with branch offices all over the country, has just consummated the purchase of fifteen acres of land adjacent to Glenova, which is on the outskirts of Wheeling, W. Va., on the Ohio River and Pennsylvania Railroad Lines, and a tract of the Pittsburgh main coal land alongside, containing a million and a quarter acres of coal. He will remove their tin plate dipping plant, and possibly some associate departments from Philadelphia to this new location by the com-

ing fall. Fireproof buildings, 35,000 square feet area, will by that time be finished, and the production of this plant will run between 300,000 and 400,000 base boxes tin andterne plates per annum. The considerable portion of the Philadelphia plant thus vacated will be turned into an enlarged machine shop for the mechanical department of the business, producing the famous Hele-Shaw Clutch, which has been crowded to the limit, and working day and night during the current year, equipping approximately 500 trucks, of a hundred different makes, per month, with this clutch, as well as turning out alignment joints and transmissions for a portion of this same trade.

\*\*At the New England Foundrymen's Association meeting in Hartford, May 8, a committee was appointed to look into better fire protection and insurance rates for foundry properties. The chairman is Bartlett M. Shaw, of the Walker-Pratt Mfg. Co.; the other members are George P. Aborn, of the Blake & Knowles Steam Pump Company, and Henry A. Carpenter, of Providence, R. I. Both Mr. Shaw and Mr. Carpenter are past presidents of the association.

It is the intention of this committee to study the whole subject of fire protection in foundries, with particular reference to improving conditions and thus securing better insurance rates. The main object, however, has actual saving of property back of it rather than a mere adjustment of rates, for it is realized that the true purpose of any such study is to make possible a reduction in the destruction by fire of created properties.

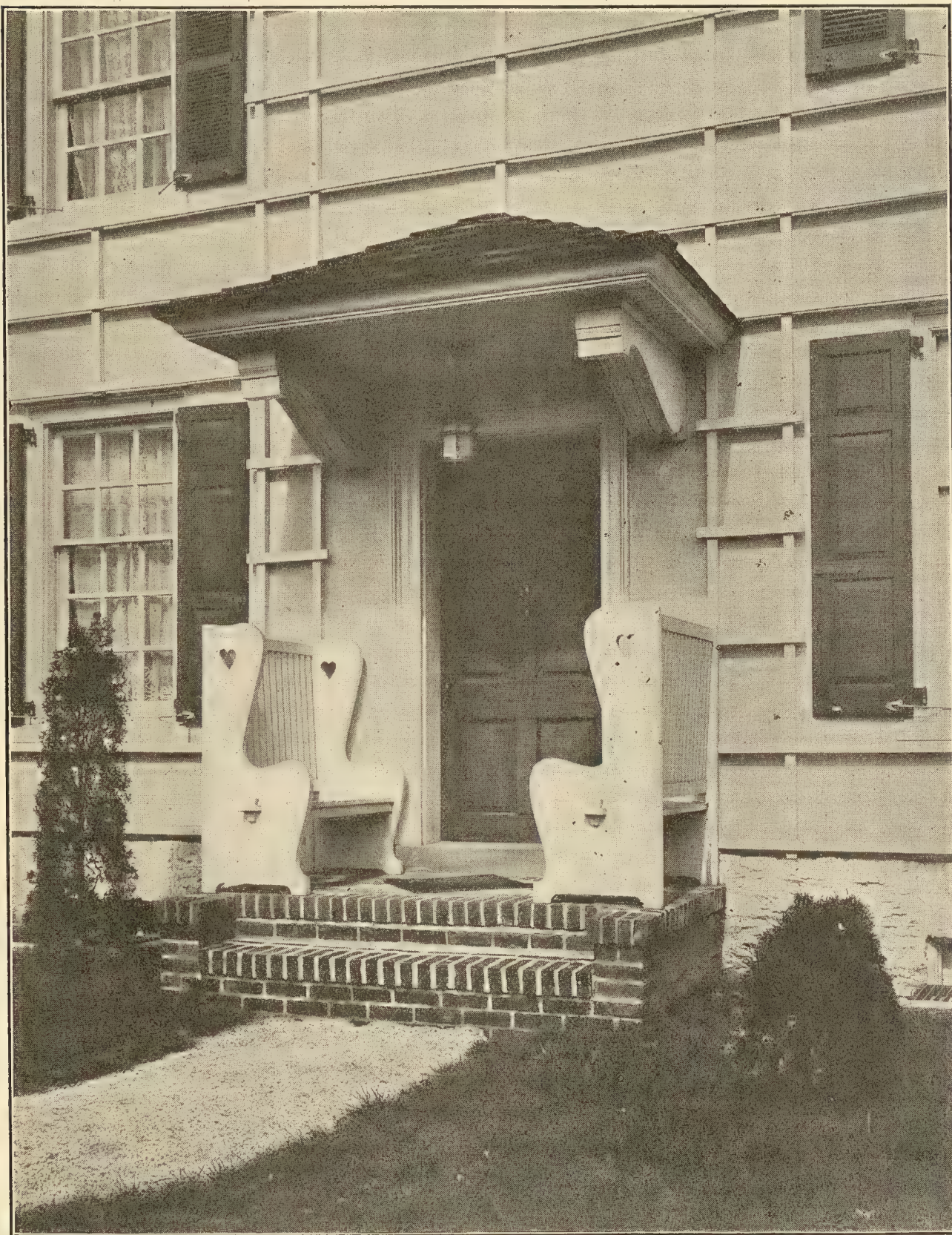
\*\*One of the most interesting exhibits at the Brooklyn Engineers' Club during Exhibit Week, April 15-20, was that of "Monel" metal. This metal, which has the lustre of silver but possesses the strength of steel and is less corrodible than bronze, was shown in the form of propellers, deck fittings, rudders and cooking utensils. The display attracted a great deal of attention and showed the large number of uses for which this epoch-making metal is adapted. The Ruggles-Coles Engineering Company, general agents for the Bayonne Casting Company.

\*\*Edward Reeger has contracted with the National Radiator Company, Johnstown, Pa., to build an addition to the concern's local plant at a cost of \$3,400.

\*\*The Boiler and Radiator Manufacturers' Association held its annual meeting in the Hotel Astor, New York City, June 10. The following officers were elected for the ensuing year: President, P. M. Beecher, Syracuse, N. Y.; vice-president, H. T. Coles, Detroit, Mich.; secretary-treasurer, William Ritchie, New York. Directors, Charles K. Foster, Chicago; F. H. Moore, Utica, N. Y.; D. R. Richardson, New York; R. D. Reed, Westfield, Mass.; John H. Waters, Johnstown, Pa.

\*\*The National Association of Brass Manufacturers held its regular quarterly meeting at the Pontchartrain Hotel, Detroit, Mich., June 11 and 12. The next meeting of the association will be at Toronto, Ont., September 10 and 11.





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The man that doesn't advertise nowadays is a barnacle. And he ends up like a barnacle by being scraped off.

\*\*Albert Jackson Marshall, who for the past seven years has been associated with the Holophane Company in the position of chief engineer, in charge of their engineering department, and subsequently manager of their architectural department, announces his affiliation with F. Laurent Godinez, consulting lighting specialist to public utility corporations, to take effect on July 1. Mr. Godinez, who has had a thorough training in all phases of public utility work for several years, has been acting in an advisory capacity to a clientele composed of large combination gas and electrical properties. Hereafter this work will be conducted under the name of F. Laurent Godinez and Albert Jackson Marshall, consulting lighting specialists. The atelier and research laboratory of Mr. Godinez, at 123 Duncan avenue, Jersey City, will be the firm's

headquarters and also serve as an experimental station for allied public service corporations.

\*\*As a result of the regular mail vote of the members the following were elected as members of the American Society of Heating and Ventilating Engineers on June 5:

Members.—Auguste Beurrienne, engineering contractor, 89 Avenue Charles Floquet, Paris, France; John F. Carney, manager, National Regulator Company, 12 East Forty-second street, New York; P. H. Fabricus, Fentz-laff Heating and Plumbing Company, 114 East Twenty-eighth street, New York; Chas. N. Flagg, Jr., Taylor-Flagg Company, Meriden, Conn.; W. A. Gates, Layton & Smith, Oklahoma City, Okla.; Charles W. Haensel, engineer, Boynton Furnace Company, 106 West Thirty-seventh street, New York; W. J. Kline,



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# Editorial Comment

An article in the June number of "Architecture and Building" under the title "Our Fair Architecture" contains so many sane and soundly-reasoned opinions on the current tendency of the craft to belittle its own achievements that I am tempted to make it the peg upon which to hang a word or two of appreciative comment. At the very outset the writer establishes a sympathetic medium, so far as I am concerned, by subscribing heartily to a long-cherished and tenaciously-held theory of my own, viz.—that to interest the great outside public whose taste must be educated if American architecture is ever to come into its own, architecture must be written about in English freed of the technical terms usual to such papers—terms that however plastic and comprehensible to audiences composed exclusively of architects, are, in so far as the greater audience, made up of people who employ architects, is concerned, simply so much Greek.

"A great many of our institutions in 'these most brisk and giddy-paced times' may be said to be reckoning without the host," says this keen-visioned and outspoken critic. "The host is the public, whose servants undertake to settle the score and receipt the bill without consulting their employer. Architecture is one of the things that would not be the worse for a little better acquaintance with its master—the public.

"Architectural language is a strange jargon that the public does not understand. It almost makes one think of the Latin of the pill-makers, not intended to be understood by the consumers of the pills, or the French bill of fare which the majority of patrons have to get the waiters to translate. Writers on architectural subjects have been seeking to gain the applause of the architects rather than to explain to the general public. All of which has resulted in a popular misunderstanding and confusion, with no especial benefit to architecture itself,—rather, injury, because the average studious layman is confused when he talks about our architecture. He has a hazy idea that everything is wrong and in bad taste. He cannot see it himself, but the critics say it is bad, so it must be. Things have come to this pass, that to praise is to show lack of culture."

\* \* \*

Groping for the cause behind the chorus,—the anvil chorus,—of belittling expressions concerning America's place in contemporary architecture, "J. L."—whose initials sign the article from which I am quoting,—observes shrewdly:

"I fear me professional jealousy has something to do with this bad reputation that American architecture has acquired. I, for one, am tired of hearing our fair architecture abused. It would be bad enough if the public were dissatisfied with it, but the vilifiers

would seem to be the ones who live by architecture, and the art is 'wounded in the house of its friends.' Architectural criticism is anachronistic. The standards of the profession are the standards of the past, and our high-brow guides, philosophers and friends keep harking back to things and forms that are dead and gone.

"Who is there that isn't familiar with the picture of high-pooed ships of the days of Hendrick Hudson? What if our ships were as our buildings? Call to mind one of these highly-decorated constructions, and then think what some of the big ocean liners of to-day would look like if their 'outsides' were treated in the same 'architectural' style. Imagine a group of architects—designers of high poops and carved figureheads—standing on the shore and shouting derisively as each flashily decorated ship went by, calling the figureheads laughable, the stack decoration a frenzy, the pilot house debased, and so on.

"Well, that is an impossible picture, of course, in ship architecture, but not in building architecture. And how the blase smatterer will sometimes work himself into a state of contempt for our beautiful (!) skyscrapers, those fine creations that mark our country, which, in fact, name our country—the land of the skyscraper—just as we speak of England as the land of roast beef, and France as the land of the frog."

\* \* \*

After recounting an instance of the peculiarly patronizing attitude of foreign visitors to our American skyscrapers—an attitude half-indulgent, half-amused and wholly contemptuous, "J. L." resumes:

"Now, this feeling of these foreigners would not be worthy of notice were it not for the fact that it is typical. Many Americans have assumed a false attitude toward American construction and have affected a contempt for their own architecture. And the funny part of it is that American architects, and their satellites, the architectural critics, have started the talk.

"Whoever would think of ridiculing England or Germany for their big ships? They have their great ships and we have our great buildings, and it is about time that the architectural knockers of America should be muzzled. There is hardly a thing in America that has been the object of more indiscriminate abuse than has our architecture.

"The trouble is that our every-day American work is compared with the monumental specimens of European architecture. These architectural comparisons are most unfair. The critics have been comparing our commercial buildings with the palaces and museums of Europe."

\* \* \*

To prove that foreign architecture, generally, fails to carry out the artistic excel-



lence of its much-touted show pieces, "J. L." cites an experience that was his during a recent trip abroad. Says he:

"On an automobile trip from the Riviera to Paris I was afforded an opportunity to observe some indigenous architecture, the 'common people's' kind. We happened to run upon a 'sub-division.' There were the signs of the real estate boomer. Lots for sale, terms, and all the evidences of constructive activity. Here at last was a chance to see what the Frenchman was doing and compare it with the American's work. The houses were substantial, and undoubtedly were for the same class of people that we could find in some healthy American suburb. They were more permanently built than ours would be for the same class of occupancy. The walls were of masonry, the roofs were tile. But one looked in vain for signs of 'architecture.' The houses seemed to have no single redeeming architectural feature. The walls were yellow stucco with red brick trimmings on the corners. They looked as though they have been designed by the village barber. If they were a fair sample of indigenous, modern French architecture, what is France coming to?"

The sanity of these rather breezily-phrased views of "J. L." is indubitable. People come here from older communities of Europe, making no allowance for race-spirit, national ideals, artistic chauvinism, indigenous tendencies or any one of a dozen other influences,—not forgetting the usually dominant considerations of setting and utility,—and condemn worthy and notable things in our architecture because those things fail to equal the highest achievements of the ultimate best abroad.

And, aping these critics, echoing their phrases and parroting their impressions, we find, now and then, an American who should be trusted to know better lending his own little pasteboard hatchet to the general din. Let us have an end of this attitude of self-depreciation. That there are limitations to our architecture compared with the old world's best, we may freely concede. That in the broad expanse of our national development there have sprung up crudities hurtful to the intelligent artistic sense we shall make no attempt to deny. But concurrently with our recognition of these drawbacks, all too painfully evident, let us not fail to recognize, to point out and to applaud the fact that architecturally, as otherwise, we are a great

people. If we have a few things in our architecture of which to be ashamed, let us not forget that we have many things of which to be proud. And above and beyond all other considerations, let us strive to remember that our best together with our mediocre and downright bad are each, in their way, necessary milestones to the ultimate ideal of an architecture which shall reflect not Europe, but America. And as "J. L." pertinently advises in his closing sentence of the article which is my text, when you are moved to compare the architecture of the United States with that of Europe, "don't look at Europe's 'dead' architecture; look at her 'live' architecture!"

\* \* \*

Additional details regarding the competition in which Mr. Walter Burley Griffin, a Chicago architect, was selected out of a list of about one hundred competitors, representing Europe and America, to design a new capital city for Australia, serve only to intensify the brilliancy of this young architect's achievement.

At the time of the organization of the Australian federation, about twelve years ago, it was provided by law that a new cap-



Architect  
H. G. McMurtrie, Phila.

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ital should be built, as it was desired that neither Melbourne nor Sydney should become the capital. The site selected for the new capital is in the province of Yass-Canberra, midway between Melbourne and Sydney. It is located on the Molonglo River, seventy-five miles from seaboard.

The project involves the expenditure of a vast amount of money, since the site proposed to be ultimately developed covers thirty-two square miles. The site of the city is a plain about 2,000 feet above sea level, almost entirely enclosed by mountains.

The site of the new capital is now practically a wilderness. There has been, and is to be, no chance for the mistakes and the development along wrong lines that characterize other great cities. The project offers the best opportunity the world has ever

known for the development of a city along ideal lines and in accordance with modern principles of city planning.

\* \* \*

Mr. Griffin, the architect who has won this signal honor, has been practicing only thirteen years, but during this period he has won reputation as an architect who combines in his work the most modern ideas both in architectural design and in landscape gardening. Mr. Griffin was graduated from the architectural department of the University of Illinois in 1899 and has engaged in independent practice since 1905.

In all likelihood Mr. Griffin will be commissioned to design the federal buildings and to supervise the construction of the city generally. The price to be awarded to Mr. Griffin is £1,750, equivalent to about \$8,750.

## CLASSIFYING BUILDING MATERIAL

High Percentage of Equipment Charges As Shown by Actual  
Figures in Building Modern Skyscraper.

Some exceedingly interesting figures showing where the money goes in the cost of a modern skyscraping office building were presented in a paper read before the members of the Manufacturers' and Contractors' Club of Pittsburgh. The paper giving the actual amount paid out in the construction of one of the largest skyscrapers recently completed in the city named was read by J. A. Strouss, of Knox, Strouss & Bragdon, but the authorship was not made public.

The figures of cost of the various parts of the work are of such interest that we present the following extracts:

In these days, when the building trade is composed almost entirely of specialists in various sub-trades, there are very few of us who know, or, in fact, have even a remote idea, of the distribution of money that is made when a modern tall office building is constructed, and it has occurred to the writer that a brief resume of the distribution of money for the construction of one of our larger office buildings would be of interest to the club.

Needless to say, these figures are not original, but have been compiled through the kindness and good will of one of our larger builders.

The building in question I am not at liberty to name, but will say that it is a modern first-class office building, involving an expenditure of \$1,270,000, and the division of this amount over the various parts of the work is given in tabulated form below.

		Per Cent.
Wrecking .....	\$ 4,158	.33
Excavating .....	47,990	3.79
Shoring .....	34,876	2.74
Steel work .....	156,563	12.33
Stone, cement and concrete ..	95,525	7.52
Fireproofing .....	38,865	3.07
Brick work .....	56,222	4.44
Plastering .....	39,560	3.11
Painting .....	20,335	1.60
Mill work .....	86,100	6.77
Carpenter work .....	117,000	9.22
Terra cotta .....	40,000	3.15
Heating .....	75,330	5.93
Elevators .....	106,200	8.36
Electric work .....	40,500	3.17
Sheet metal .....	21,840	1.72
Plumbing .....	51,520	4.06
Waterproofing .....	9,500	.75
Metal lathing .....	9,100	.71
Ornamental iron .....	75,900	5.98
Tile and marble .....	90,000	7.09
Weatherstripping .....	1,025	.08
Vaults .....	24,750	1.94
Hardware .....	1,500	.12
Vacuum systems .....	5,000	.36
Mail chute .....	2,250	.18
Revolving doors, etc. ....	5,700	.45
Steel lockers .....	8,335	.66
Refrigerating machinery ..	3,827	.30
Roofing .....	950	.07
	\$1,270,421	100.00

Classifying this list by trades would make a

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division as follows:

Preparatory work, namely, wrecking of old buildings, excavating and shoring, \$87,400, or 8.86 per cent.

The mason trades, meaning by this the stone, concrete and cement work, fireproofing, brickwork, plastering, terra cotta, waterproofing, tile and marble work, total \$359,672, or 29.13 per cent of the total.

The structural steel and ornamental iron work, \$233,463, or 18.31 per cent.

Metal lathing amounts to \$9,100, or 71 per cent.

Sheet metal work, amounting to \$21,840, or 1.72 per cent.

Roofing amounted to \$950, or .07 per cent.

Group of trades, which might be called the "finishing," covering the painting, mill work, carpenter work, weather stripping and hardware, amounting to \$225,960, or 17.79 per cent.

The equipment of the building, meaning by this the heating apparatus, elevators, electrical work, plumbing, vacuum system, mail

chutes, revolving doors, etc., steel lockers and refrigerating machinery, amounts to \$298,662, or 23.47 per cent.

Vaults, which might or might not be considered as part of the equipment, amounting to \$24,750, or 1.94 per cent.

Looking at this group list we see that the big end belongs to the mason trades, being 29.13 per cent. of the total, showing that those trades still have the largest interest in the modern buildings.

This list is also interesting as shedding light on the question as to whether a mason or a carpenter is a logical man for a general contractor on work of this type, as it is generally considered by most of us that the trade having the largest interest in the proposed structure is in the best shape to take the general contract.

It is also of interest as showing one of the reasons for the elimination of the general contractor and the subletting of work direct by the owner through the architect.

The writer will confess to being astonished at the cost of the equipment, as most of us would hardly consider it true that almost one-fourth of the total cost of the building goes into the various auxiliary devices which are now considered necessary to make an office building habitable—"Ohio Architect and Engineer."

Boost your home town! And remember there's no better way to do this than to carry space in the home trade paper.

## REAL ESTATE TRANSFERS.

Summary for week ending July 6th, 1912:  
Number of transfers..... 509  
Amount of transfers.....\$2,280,334.86  
Cash consideration ..... 394,934.86  
Mortgage consideration ..... 1,885,400.00  
Ground rent consideration..... 31,554.50  
Which on a six per cent. basis  
amounts to ..... 525,908.34



# Building Activity

## During the First Six Months of 1912

Number of new buildings erected from January 1st to June 30th, 1912.

1912.	Jan.	Feb.	March.	April.	May.	June.	No. of Operations.	Estimated Cost.
Two-story Dwellings.....	118	285	785	791	441	534	2,954	\$6,320,695
Three-story Dwellings.....	16	4	61	99	47	59	286	1,641,640
Four-story Dwellings.....	0	0	0	0	2	0	2	13,800
Office Buildings.....	0	1	2	3	2	3	11	14,670
Office Buildings over two stories.....	0	0	0	0	1	1	2	630,000
Warehouses .....	0	2	1	2	4	2	11	435,000
Factories .....	5	5	1	8	6	9	34	1,588,000
Engine and Boiler Houses.....	0	0	1	2	1	0	4	19,500
Breweries and Bottling Houses.....	0	1	0	0	0	0	1	85,000
Foundries and Shops.....	2	3	7	9	5	4	30	141,310
Stores .....	3	15	4	1	3	1	27	173,820
School Houses.....	0	0	0	2	0	0	2	152,880
Stables .....	3	4	13	8	15	12	55	74,630
Churches .....	1	0	0	1	5	3	10	320,390
Miscellaneous Buildings.....	12	34	38	76	54	59	273	3,336,915
Total New Buildings.....	160	354	913	1,003	585	687	3,702	\$14,948,250
Additions and Alterations.....	256	266	437	572	523	448	2,502	4,055,115
Grand Total.....							6,204	\$19,003,365
Heaters .....							127	61,175
Roof Signs.....							72	4,275
Fire Escapes.....							209	53,405
Fireproofing .....							1	10,000
Miscellaneous Unclassified Work.....							1,217	216,985
Total work of all kinds.....							7,830	\$19,349,205

Note: Miscellaneous Buildings includes the following:

3 One-story Dwellings.....	\$5,900	1 Hotel .....	500,000	3 Railroad Stations .....	52,400
9 Frame Dwellings.....	16,700	1 Convent .....	93,000	4 Power Houses.....	161,000
2 Halls .....	113,000	4 Club Houses.....	906,000	1 Parish Building.....	25,000
10 Municipal Buildings.....	391,480	2 Banks .....	35,990	75 Unclassified Buildings.....	103,685
1 Apartment House.....	40,000	3 Theatres .....	55,800		
20 Tenement Houses.....	642,000	134 Garages .....	194,960	273	\$3,336,915

### TWO-STORY DWELLINGS—Including two-story stores and dwellings.

Wards	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	Totals
Jan.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	3	0	0	0	22	0	2	0	3	0	0	0	84	0	118
Feb.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	5	2	0	2	0	0	0	0	0	0	0	4	12	0	144	0	25	19	4	0	33	10	0	0	21	0	285
Mar	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	8	10	1	56	0	0	0	0	0	0	0	150	2	1	100	0	127	55	46	2	14	115	0	20	64	0	785
April	5	0	0	1	0	0	0	0	0	0	0	0	0	0	27	0	0	0	0	0	17	11	8	2	1	0	1	0	0	0	0	0	0	70	8	182	0	4	54	11	20	111	7	0	4	247	0	791
May	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	9	37	0	0	0	0	0	0	0	1	0	12	6	6	1	4	22	0	39	17	41	4	37	18	158	0	441
June	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	11	42	0	0	0	0	0	0	0	0	0	15	7	8	0	0	31	20	41	15	39	3	20	21	231	0	534
Totals	5	0	0	3	2	0	0	0	0	0	0	0	0	0	27	0	0	0	0	0	92	44	101	3	59	0	1	0	0	0	1	0	181	100	23	427	4	231	148	143	54	241	139	57	63	805	0	2954

### THREE-STORY DWELLINGS—Including three-story stores and dwellings.

Wards	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	Total	
Jan.	2	0	0	4	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	16	
Feb.	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4		
Mar.	0	0	0	6	0	0	1	0	0	0	0	0	0	6	0	0	0	0	0	0	9	11	2	0	0	0	0	0	0	0	0	0	2	2	1	0	0	0	0	0	1	3	2	1	1	19	0	61	
April	7	0	3	0	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	30	10	3	0	0	0	0	0	0	0	0	0	0	1	4	1	0	3	0	0	0	12	0	0	1	21	0	99	
May	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	13	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	2	0	0	0	7	0	0	0	16	0	47	
June	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	5	17	0	0	0	0	0	0	0	0	0	0	0	3	2	0	0	2	0	0	0	7	0	0	0	23	0	59	
Totals	9	1	4	10	4	1	1	0	0	0	0	0	0	0	1	0	2	0	0	0	47	59	5	0	0	0	0	0	0	0	0	0	0	2	8	8	1	0	7	1	0	1	30	2	1	2	79	0	286



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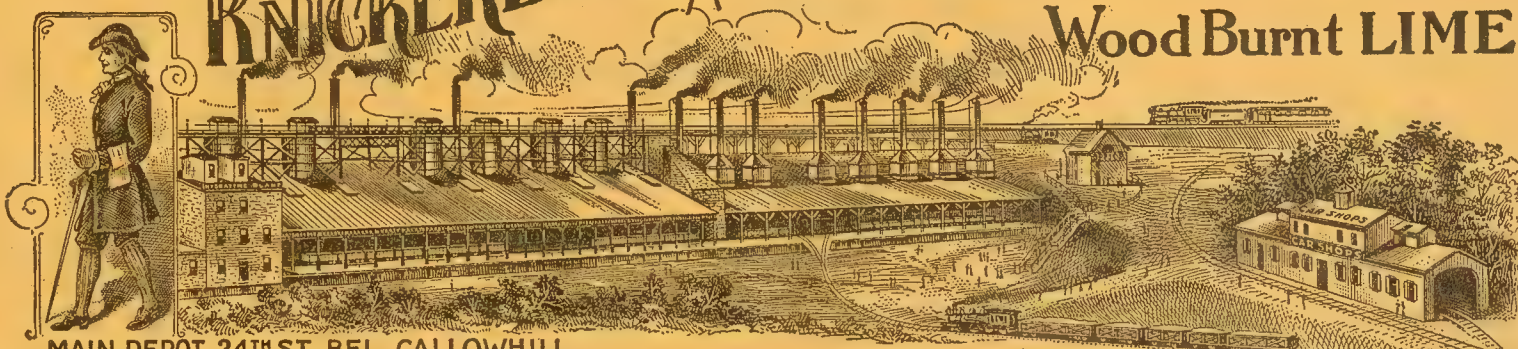
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Vol. XXVII., No. 29.

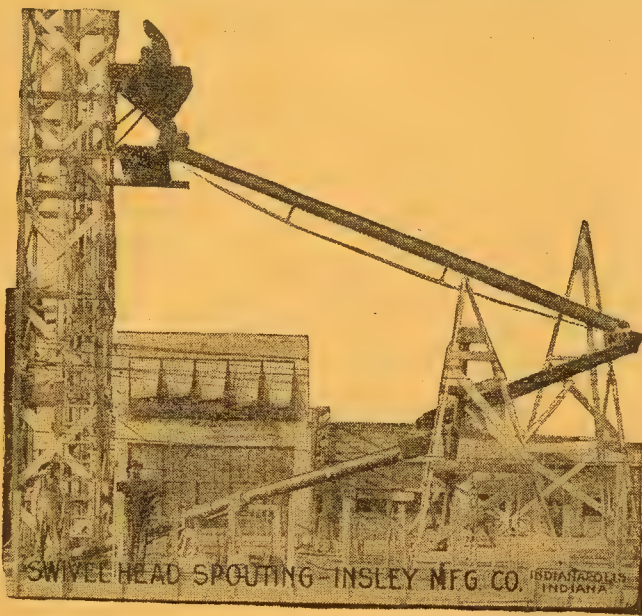
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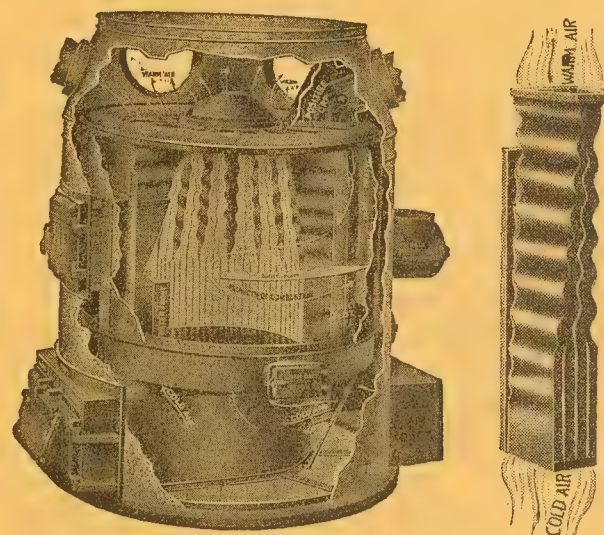
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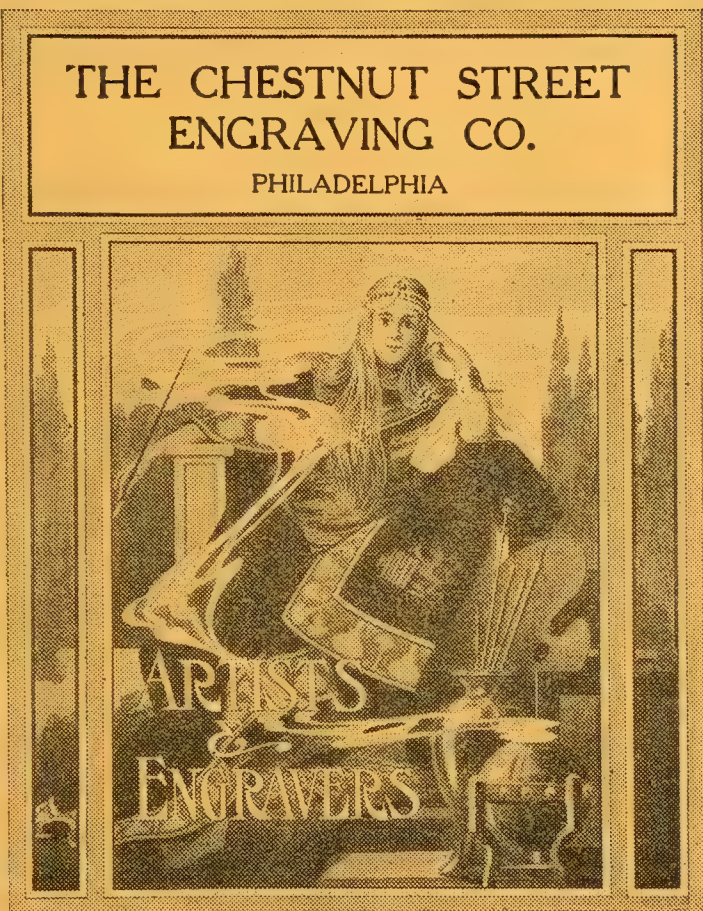
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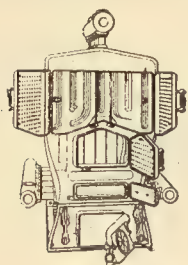
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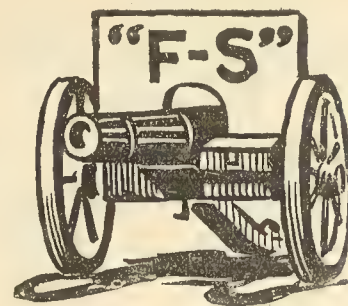
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THE PHILADELPHIA REAL ESTATE RECORD AND

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Vol. XXVII., No. 29.

PHILADELPHIA, WEDNESDAY, JULY 17, 1912.

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## Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Resctory**, Moorestown, N. J. Architects, Ballinger & Perrot, 1211 Arch street. Owners, Our Lady of Good Counsel, on premises. Stone and brick, three stories, 49x56 feet. Slate roof, hot water heat, electric light. Architects have received bids.

**School (Completion)**, Ambler, Pa. Architects, Schermerhorn & Jhillips, 430 Walnut street. Owners, Upper Dublin Township School District, Ambler, Pa. Stone, two stories. Architects taking bids, due July 17th. The following are figuring: James B. Flounders, 1329 Arch street; Burd P. Evans & Co., Thirteenth and Wallace streets; F. L. Hoover & Sons, Builders' Exchange; Henry Specht, Jr., Willow Grove, Pa.; William C. Evans, Ambler, Pa.; John Stackhouse, Ambler, Pa.; Enoch James, Fort Washington, Pa.; W. T. Godfrey, Remlu, Pa.; Henry Minniger, Souder-ton, Pa.; S. M. Fesmire, Glenside, Pa.

**Residences (12)**, Allen lane, Germantown. Architects, Duhring, Okie & Zeigler, Bailey Building. Owner, Dr. George Woodward, North American Building. Stone, three stories, 44x74 feet. Shingle roof (heat, light and plumbing reserved). Architect taking bids, due July 17th. The following are figuring: F. B. Davis, 35 South Seventeenth street; W. J. Gruhler, 219 High street; F. Elvidge & Sons, 5522 Germantown avenue; Robert Noonan, 420 East Hight street; H. C. Rea, 1021 Wood street; J. R. Whiteside & Co., 2115 Wal-lace street; Pringle Borthwick, 8018 German-town avenue.

**Boiler House (add.)**, Glenolden, Pa. Archi- tect, C. B. Keen, Bailey Building. Owners, H. K. Mulford Company, on premises. Stone, one story, slag roof, electric light, bluestone trimmings. Architect taking bids, due July 15th. The following are figuring: H. E. Grau Com- pany, 1709 Sansom street; Thomas M. Seeds, 1207 Race street; William R. Dougherty, 1608 Sansom street.

**Hospital (alt. and add.)**, Tenth and Walnut streets. Architect, J. T. Windrim, Twelfth and Chestnut streets. Owners, Jefferson Hos- pital, on premises. Brick, steel, fireproof, painting, glazing, hardware, electric light. Architect taking bids. The following are figuring: Cramp & Co., Denekla Building; J. Myers & Son, Witherspoon Building; B. Ketcham's Sons & Co., 1029 Brown street; Pomeroy Construction Company, 1609 Ran- stead street.

**New Nursery and add. to Home**, Fifth and Bainbridge streets. Architects, Magaziner &

Potter, 137 South Fifth street. Owners, the Young Women's Union, on premises. Brick, granite, limestone trimmings, four stories, 50x 73 feet, electric light, tile roof, 8 bath rooms, (heat reserved). Architects taking bids, due July 20th. The following are figuring: H. E. Grau Company, 1709 Sansom street; William R. Dougherty, 1608 Sansom street; H. L. Brown, 1714 Sansom street; H. E. Baton, Tenth and Sansom streets; Sax & Abbott, Hale Building; Charles McCaul Company, Tenth and Sansom streets; A. R. Raff, 1635 Thompson street; T. M. Seeds, 1207 Race street; Irwin & Leighton, 126 North Twelfth street; Cramp & Co., Denekla Building.

**Residence**, Atlantic City, N. J. Architects, Druckenmiller, Stackhouse & Williams, Land Title Building. Owner's name withheld. Stone and plaster, three stories, 22x35 feet, tile roof, electric light, hot water heat, hardwood floors. Plans in progress.

**Garage**, 2331 North Sydenham street. Archi- tect, Otto, Herold, 2536 North Thirty-third street. Owner, J. H. Walker, Fifteenth and Dauphin streets. Brick, one story, 35x84 feet. Slag roof, electric light, hot water heat, reserved. Owner taking bids. T. C. Trafford, 1613 Sansom street, is figuring.

**Residences (2)**, Pulaski avenue, German- town. Architect, A. B. Lacey, 1012 Walnut street. Owner, Miss Clara H. Baumann, care of architect. Plaster, three stories, 36x59 feet. Slate roof, electric light, hot air heat. Archi- tect taking bids, due July 17th. The follow- ing are figuring: F. E. Wallace, 1210 San- som street; Joseph H. Maguire, Wayne, Pa.; E. W. Clifford, 107 Queen street, Germantown; E. J. Kreitzburg, 1345 Arch street; H. H. Cluch, 1070 East Walnut lane, Germantown.

**Residence**, Primos, Pa., \$6,000. Architect, Mahlon J. Bye, Secane, Pa. Owner, L. H. Clark, Primos, Pa. Stone and hollow tile, two and one-half stories. Slate roof, electric light, hot water heating. Architect taking bids, due July 19th. The following are figur- ing: J. B. Flounders, 1329 Arch street; J. W. Worrilow, Media, Pa.; Thomas F. Manley, Clifton Heights, Pa.; Frank Shea, Clifton Heights, Pa.

**Factory and Power House**, Walnut lane and Main street. Architects, Peuckert & Wun- der, 310 Chestnut street. Owner, Robert Krook, on premises. Reinforced concrete, two stories, 62x153 feet and 57x26 feet. Slag roof, electric lighting. Architects taking bids, due July 20th. The following are figuring:

H. C. Rea Company, 1027 Wood street; Philip Haibach Contracting Company, Twenty-sixth and Thompson streets; George Hogg, 1634 Sansom street; John N. Gill & Co., Heed Building; William H. Eddleman, 453 Green lane, Roxborough; E. L. Cuthbertson, 334 Rox- borough avenue.

**Residence**, Ardmore, Pa., \$8,000. Archi- tect, Frank Seeburger, Pennsylvania Build- ing. Owner, John M. Keim, 923 Chestnut street. Stone, two and one-half stories, shin- gle roof, hot water heat, electric light. Plans in progress. Architect will take bids in about two weeks.

**Residences (107)**, Wyoming avenue and York road. Architect, Frank Seeburger, Penn- sylvania Building. Owner, Anthony M. Zane, Land Title Building. Brick, two and three stories, hot water heat, electric light, hard- wood floors, etc. Owner taking sub-bids.

**Residence**, St. Davids, Pa. Architect, Geo. E. Savage, Witherspoon Building. Owner, Mrs. Thomas May Pierce, Jr., Wayne, Pa. Plaster, three stories, 32x60 feet, shingle roof, electric light, four bath rooms (heating and plumbing reserved). Architect taking bids, due July 23rd. The following are figuring: Metzger & Wells, Heed Building; Gray Brothers, Rosemont, Pa.; Frank H. Mahan, Ardmore, Pa.; J. D. Lingle, Wayne, Pa.; M. N. Croll, Radnor, Pa.

**Boiler Room**, 1015 Market street. Archi- tects, Stearns & Castor, Stephen Girard Build- ing. Owner, Berg Brothers, on premises. Brick, concrete and steel, slag roof, electric light. Architects have received bids.

**Water Station**, Valley Forge, Pa. Archi- tects, Stewardson & Page, 420 Walnut street. Owners, Valley Forge Park Company. Stone and frame, one story, 30x57 feet, shingle roof, two toilet rooms. Architects have received bids.

**School**, Poughkeepsie, N. Y. Architect, Wil- son Potter, 3 Union Square, New York City. Owners, Poughkeepsie High School. Lime- stone, terra cotta, brick, three stories, 134x182 feet, electric light, steam heat, slate roof. Architect taking bids, due July 22nd. Metz- ger & Wells, Heed Building, are figuring.

**Freight House**, Clarksburg, W. Va. Archi- tect, M. A. Long, Baltimore, Md. Owners, Baltimore and Ohio Railroad Company. Brick, one and two stories, slag roof, electric light. Owners taking bids. Roydhouse-Arey Com- pany, Fidelity Building, and Irwin & Leigh- ton, 126 North Twelfth street, are figuring.



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**225 COMMONWEALTH BUILDING**

**Residence, Brielle, N. J.** Architect, Bar Tourison, Land Title Building. Owner, Marion Schroder, Jersey City, N. J. Frame, two and one-half stories, 78x32 feet, shingle roof, hot water heat, hardwood floors, electric light. Architect ready for bids.

**Engine and Sand House, Somerset, Pa.** Architect, M. A. Long, Baltimore, Md. Owners, Baltimore and Ohio Railroad Company. Brick, one and two stories, steam heat, electric light, slag roof. Owners taking bids. Irwin & Leighton, 126 North Twelfth street, and Roydhouse-Arey Company, Fidelity Building, are figuring.

**Boiler House, Allegheny avenue and Miller street.** Architect, Ballinger & Perrot, 1211 Arch street. Owner, Church of the Nativity, on premises. Brick, one story, 30x46 feet. Copper roof, electric light. Architects have received bids.

**Residence, Harrisburg, Pa., \$8,000.** Architects, De Armond, Ashmead & Bickley, 618 Chestnut street. Owner, Mrs. Henry Rahter, Harrisburg, Pa. Brick, three stories. Plans in progress.

**Garage, rear of 2317 North Broad street.** Architects, Stearns & Castor, Stephen Girard Building. Owner, Louis Stecher, 2317 North Broad street. Brick, one story, 26x31 feet. Bangor slate roof, electric lighting. Architects have received bids.

**Residence (alt. and add.), Haverford, Pa.** Architects, Bissell & Sinkler, Bailey Building. Owner, E. C. Poultney, Haverford, Pa. Stone and timber, two and one-half stories. Architects have received bids.

**Alterations for Apartments, 3913-15 Spruce street, \$7,000.** Architects, De Armond, Ashmead & Bickley, 618 Chestnut street. Owner, Mrs. Sarah A. Gallagher, 3913 Spruce street. Consists of general alterations for apartments, 6 new bath rooms, hot air heat, electric lighting. Architects have received bids.

**Chapel, Hackensack, N. J.** Architects, De Armond, Ashmead & Bickley, 618 Chestnut street. Owner, St. Margaret's R. C. Church, Hackensack, N. J. Rev. Patrick Cocoran, Hackensack, N. J. Brick, one story, 64x30 feet, shingle roof, hot water heating. Architects and owners taking bids, due July 19th. J. S. Rogers Company, Stanwick, N. J., is figuring.

**Residences (2), Rosemont, Va., \$14,000.** Architects, De Armond, Ashmead & Bickley, 618 Chestnut street. Owner, H. A. Treat, Wayne, Pa. Brick and plaster, two and one-half stories, 40x50 feet each. Plans in progress.

**Apartment House (alt. and add.), Forty-**

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Phones: **BELL-LOCUST 1-24**  
**KEYSTONE-RACE 8-24**

**N. E. Cor. 22d and Wood Streets**

fourth and Walnut streets. Architects, Sauer & Hahn, 1112 Chestnut street. Owner, Ira S. Fallin, 33 South Front street. Stone and brick, three stories, slag roof, electric light, vapor heat. Architects taking bids, due July 19th. The following are figuring: Smith-Hardican Company, 1606 Cherry street; J. W. Emery, 1524 Sansom street; J. Sims Wilson, 1125 Brown street; Thomas Little & Sons, 1615 Sansom street; H. E. Baton, Tenth and Sansom streets; William R. Dougherty, 1608 Sansom street.

**Church (alt. and add.), Fifth street, below Lehigh avenue.** Architect, Carl P. Berger, 1418 South Penn Square. Owners, St. Mark's Reformed Church, care of Rev. G. A. Scheer, 2404 North Sixth street. Granite, one story, 27x91 feet. Slate roof, steam heat. Architect taking bids, due July 22nd. The following are figuring: Burd P. Evans, Thirteenth and Wallace streets; A. Raymond Raff, 1635 Thompson street; William Schultz, 3812 North Eighteenth street; Stewart Brothers, 2526 North Orkney street; B. Ketcham's Sons, 1029 Brown street; F. E. Wallace, 1210 Sansom street; H. P. Schneider, 3713 Old York road.

**Garage, 1534 to 42 Wood street.** Architects, Sauer & Hahn, 1112 Chestnut street. Owners, Pullman Taxi Company, 1540 Wood street. Brick, three stories, 86x82 feet. Steam heat, electric light, slag roof. Plans completed. Architects ready for bids.

**Residence, Chestnut Hill, Pa.** Architects, Price & McLanahan, Sixteenth and Walnut streets. Owner, J. L. Woolston, 110 Chestnut street. Stone, two and one-half stories, electric light, hot water heat, slate roof, hardwood floors. Plans completed. Architects ready for bids.

**Rectory, Camden, N. J.** Architects, Folsom & Lackey, 1433 Chestnut street. Owners, Church of Our Saviour, Camden, N. J. Stone and plaster, three stories, 25x40 feet, electric light, slate roof, (heat reserved). Revised plans in progress.

**Store Building, Thirteenth and Vine streets.** Architects, Sauer & Hahn, 1112 Chestnut street. Owner, Harry Weinrich, Twelfth and Arch streets. Brick, two stories, 33x95 feet. Slag roof, electric light. Plans completed. Architect will take bids in a few days.

**Residence (alt. and add.), 2258 North Broad street.** Architects, Sauer & Hahn, 1112 Chestnut street. Owner, Charles Livingston, Eighth and Federal streets. Brick and stone, four stories. Plans in progress.

**Power House, Richmond and Tioga streets.** Architects and engineers, William Steele & Son, Sixteenth and Arch streets. Owners, Dill & Collins Co., on premises. Brick, two stories, 45x50 feet. Slag roof, electric light. Architects taking sub-bids.

**Post Office, Hanover, Pa.** Architect, Oscar Wenderoth, Washington, D. C. (Treasury Department). Owners, United States Government. Stone, one story, electric lighting, steam heat, copper roof. Owners taking bids, due July 21st. The following are figuring: W. E. Dotts, 148 North Second street; Burd P. Evans Company, Thirteenth and Wallace streets; J. E. & A. L. Pennock, Land Title Building.

**Bungalow, Hammonton, N. J.** Architect, B. Lackey, 1433 Chestnut street. Owner, Anna F. Lackey, care of architect. Plaster, one

story, 30x40 feet, shingle roof, electric light, steam heat. Architect taking bids, due July 22nd. The following are figuring: Bowers & Logan, 2010 Chancellor street; Boyer & Lewis, Camden, N. J.; Harry Nicoli, Hammonton, N. J.; Walter Andrews, Hammonton, N. J.

**Garage, Wayne avenue and Horter street.** Architects, Duhring, Okie & Zeighler, Bailey Building. Owner, Franklin Baker, Jr., on premises. Stone, one story, 22x31 feet, shingle roof, electric light, hot water heat. Architects have received bids.

**School, Ocean City, N. J., \$30,000.** Architect, E. M. Henderer, Ocean City, N. J. Owners, Board of Education, Ocean City, N. J. Brick and terra cotta, two stories, 133x56 feet. Slag roof, electric lighting. Abel Botoms & Sons Co., 41 South Fifteenth street, Philadelphia, submitted the lowest bid.

**Factory (add.), 114-16-18-20 North Fifth street.** Architect, Carl P. Berger, 1418 South Penn Square. Owners, C. H. Rump & Sons, Fifth and Cherry streets. Brick, terra cotta and reinforced concrete, seven stories, 57x100 feet. Architect ready for bids.

**Apartment House, Wayne avenue and School lane, \$200,000.** Architect, Horace Trumbauer, Land Title Building. Owner, Samuel Shoemaker, Land Title Building. Brick, stone and terra cotta, four stories, 130x150 feet. Slag roof, steam heating, electric lighting, hardwood floors. Owner is taking sub-bids.

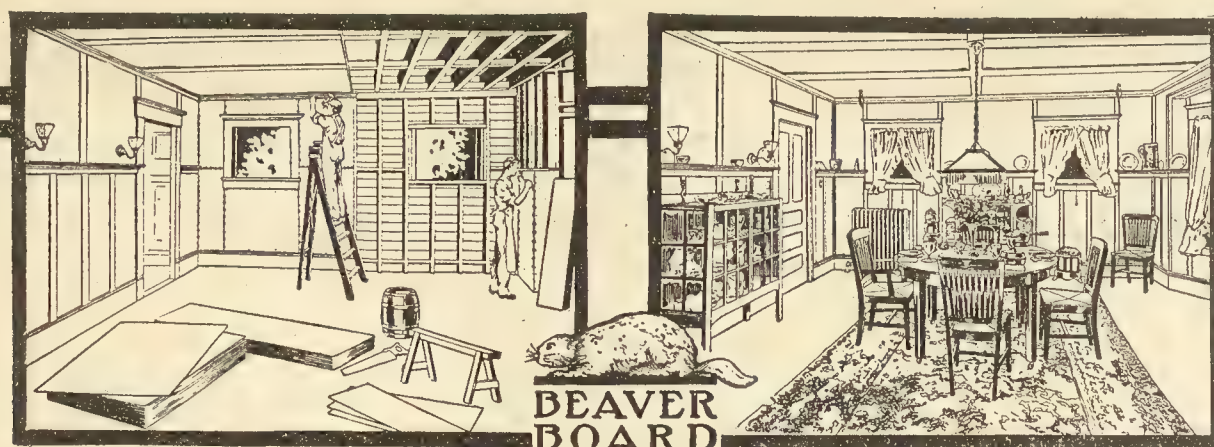
**Residence, Rose Tree, Pa.** Architects, Duhring, Okie & Zeighler, Bailey Building. Owner, F. W. Sharpless, Media, Pa. Stone, two and one-half stories, slate roof, electric light. Architect taking revised bids, due July 20th. The following are figuring: J. B. Flounders, 1329 Arch street; R. C. Ballinger, 218 North Thirteenth street; C. S. Worrell, Media, Pa.

**Garage, 1534 to 42 Wood street.** Architects, Sauer & Hahn, 1112 Chestnut street. Owner, Pullman Taxicab Company, 1546 Wood street. Brick, fireproof, four stories, 73x84 feet, elevators, electric light, steam heat, slag roof. Architects taking bids, due July 20th. The following are figuring: Thomas Little & Sons, 1615 Sansom street; William R. Dougherty, 1608 Sansom street.

**Store Building, Easton, Pa.** Architect, Benj. Rush Stevens, 1727 Filbert street. Owners, Pomfret Realty Company, Easton, Pa. Stone and brick, two stories, 93x170 feet. Slag and tile roof, elevators, steam heat, electric light. Architect taking bids, due July 23rd. The following are figuring: A. Breslin, Summit Hill, Pa.; N. J. Ochs, Allentown, Pa.; A. Bechtel, Easton, Pa.; F. J. Leich, Easton, Pa.; Stewart Bros., Easton, Pa.; W. H. Snyder, Easton, Pa.; H. E. Baton, Tenth and Sansom streets; J. E. & A. L. Pennock, Land Title Building.

**Garage, 1534 to 42 Wood street.** Architects, Sauer & Hahn, 1112 Chestnut street. Owners, Pullman Taxicab Company, 1546 Wood street. Brick, fireproof, four stories, 73x84 feet. Slag roof, electric light, steam heat, elevators. Architects taking bids, due July 20th. The complete list of bidders are as follows: J. G. Doak & Co., Crozer Building; Cramp & Co., Denckla Building; William R. Dougherty, 1608 Sansom street; Irwin & Leighton, 126 North Twelfth street; H. C.





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Rea Company, 1021 Wood street; H. E. Baton, Tenth and Sansom streets; F. A. Havens, 845 North Nineteenth street; Thomas Little & Sons, 1615 Sansom street; J. Sims Wilson, 1125 Brown street; Henry L. Brown, 1714 Sansom street; Jacob Myers & Son, Witherspoon Building.

**School**, Norwood, Pa. Architect, Charles R. Peddle, 136 South Fourth street. Owners, School Board, care of Jacob F. Loos, Secretary, Norwood, Pa. Stone, two stories (10 rooms). Slate roof, (heating and ventilating, separate bids), electric lighting. Owners taking bids, due 8 P. M. July 24th. H. L. Brown, 1714 Sansom street, and J. B. Flounders, 1329 Arch street, are figuring. Plans can be obtained from architect by depositing check for \$25.00.

**Residence**, Merion, Pa. Architects, Heacock & Hokanson, Bailey Building. Owner, Samuel W. Haines, 1023 Filbert street. Brick and timber, two and one-half stories. Plans about completed. Architects will take bids in a few days.

**Club** (alt. and add.), Princeton, N. J., \$10,000. Architects, De Armond, Ashmead & Bickley, 618 Chestnut street. Owners, Key & Seal Club, Princeton, N. J. Frame, two and one-half stories, shingle roof, electric lighting, steam heat, hardwood floors. Architects taking bids, due July 30th. The following are figuring: H. L. Brown, 1714 Sansom street;

George & Borst, 277 South Eleventh street; John P. Gill, Princeton, N. J.; Mathews Construction Company, Princeton, N. J.; J. S. Rogers Company, Stanwick, N. J.

**Theatre**, Germantown avenue and Venango street, \$150,000. Architects, John D. Allen Company, Denckla Building. Owners, George F. & Walter Stuempfig, Pulaski avenue and Hansberry street. Brick, stone and steel, fire-proof, one story, 150x200 feet. Slag roof, steam heating. Architects taking bids. The following are figuring: Irwin & Leighton, Twelfth and Cherry streets; Cramp & Co., Denckla Building; A. R. Raff, 1635 Thompson street.

**Mill and Weave Shed**, Danville, Va. Architects, Lockwood & Greene Co., Boston, Mass. Owners, the Riverside and Dan River Cotton Mill. Granite and brick, two stories, enamel brick, elevators, slag roof, electric light. Architects taking bids, due July 24th. Stacey Reeves & Sons, 1609 Filbert street, are figuring.

**Buildings** (2), Vineland, N. J. Architect, Department of Charities and Correction, Trenton, N. J. Owners, State Home for Feeble Minded Women, on premises. Frame, one story, 30x47 feet. Steam heat, electric light, shingle roof. Owners taking bids, due July 23rd. Metzger & Wells, Heed Building, are figuring.

premises. Brick and terra cotta, two stories. Contract awarded to George Kossler, Drexel Building, who is taking sub-bids.

**Building** (alt. and add.), Haverford, Pa. Architects, Savery, Scheetz & Savery, Stephen Girard Building. Owners, Founders Hall, Haverford College, Haverford, Pa. Granite. Contract awarded to R. C. Ballinger & Co., 218 North Thirteenth street.

**Convent Building**, Twenty-third and Berks streets. \$30,000. Architects, Ruhe & Lange, Allentown, Pa. Owners, St. Elizabeth's Catholic Church, on premises. Brick and limestone, four stories, electric light, slate roof (heating and plumbing reserved). Contract awarded to Melody & Keating, Bailey Building.

**Residences** (2), Lincoln Drive, Germantown. Architects, Duhring, Okie & Zeighler, Bailey Building. Owner, Dr. George Woodward, North American Building. Stone, three stories, 36x73 feet, shingle roof, four baths (heat, plumb-

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Bank** (add.), Fourth and Green streets. Architects, Koelle Speth & Co., Twenty-sixth and

Oxford streets. Owners, Integrity Title Insurance Trust and Safe Deposit Company, on

**W. E. Wark & Co.**

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ing and electric work reserved). Contract  
awarded to F. Elvidge & Son, 5522 German-  
town avenue.

**Garage**, 3431-33 North Broad street. \$25,-  
000. Architects, Dothard & Dothard, 243  
South Fourth street. Owner, Mary A. Read,  
care of architect. Brick, one story, 50x170  
feet, slag roof, electric light, hot water heat.  
Contract awarded to Lord & Read, 5909 North  
Park avenue.

**School**, 1712-14-16 De Lancey street. Ar-  
chitect, A. W. W. Barnes, 130 South Fifteenth  
street. Owner, Metropolitan Dramatic School,  
103 South Fifteenth street. Brick, granite and  
steel, fireproof, three stories, 37x92 feet (heat-  
ing and plumbing reserved). Contract award-  
ed to F. A. Havens & Co., 845 North Nine-  
teenth street.

**Garage**, Wayne, Pa. Architects, Bissell &  
Sinkler, Bailey Building. Owner, R. Frances  
Wood, Brown Building. Plaster, one story,  
electric light, shingle roof. Contract awarded  
to Metzger & Wells, Heed Building.

**Factory**, Tenth and Lombard streets. \$16,-  
000. Architect, T. Frank Miller, Hatboro, Pa.  
Owners, C. E. Shedaker, on premises. Brick,

**R. R. HAMMOND & CO.,**

**Land Title Building, Phila., Pa.**

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All Steel Doors, Interior Finish, Mouldings, Trim, etc.

five stories, 36x85 feet, slag roof. Contract  
awarded to J. N. Gill & Co., Heed Building.

**Warehouse**, Verona, Pa. \$30,000. Archi-  
tect, A. Keiser, superintendent Conemaugh  
Division, P. R. R. Owners, Pennsylvania  
Railroad Company, Broad Street Station.  
Brick and concrete, slag roof, electric light-  
ing. Contract awarded to Linker-Losse Com-  
pany, Heed Building.

**Residence (alt. and add.)**, 2109 Spring Gar-  
den street. Architects, Magaziner & Potter,  
37 South Fifth street. Owner, E. Stern, on  
premises. Brick, three stories, hardwood  
floors, electric light, interior alterations. Con-  
tract awarded to Gerald Evans, 19 South  
Sixteenth street.

**Residence**, Chestnut Hill, Pa. Architects,  
Duhring, Okie & Zeighler, Bailey Building.  
Owner, T. B. Homer, care of architect. Stone,  
three stories, 77x53 feet, hardwood floors, elec-  
tric light, hot air heat, shingle roof, five bath-  
rooms. Contract awarded to W. J. Gruhler,  
219 High street.

**Residence (alt. and add.)**, Gremantown,  
Philadelphia. \$5,000. Architect, H. W. Sel-  
lers, Stephen Girard Building. Owner, Ed.  
D'Invalliers, on premises. Brick and shingle,  
three stories, 20x25 feet, shingle roof, hot  
water heat (electric light and plumbing re-  
served). Contract awarded to W. C. Wright,  
22 Harvey street.

**Church and Parish House**, Ogontz, Pa. Ar-  
chitect, L. V. Boyd, Harrison Building. Own-  
ers, St. John's Evangelical Lutheran Church,  
care of architect. Stone, one story, 45x90 feet  
and 30x70 feet, steam heat, electric light,  
slate roof. Contract awarded to W. J. Stev-  
ens, Wyncote, Pa.

**Fire House (alt. and add.)**, Fifteenth and  
Snyder avenue. Architect, C. B. Zilenziger,  
City Hall. Owner, City of Philadelphia.  
Stone and brick, slate roof, electric light,  
steam heat, hot water heater, one bathroom  
and one toilet room. Contract awarded to Ed.  
Fay & Sons, 1521 Ranstead street.

**Residence (alt. and add.)**, Villa Nova, Pa.  
Architect, George T. Pearson, 427 Walnut  
street. Owner, T. Wistar Brown, on premises.  
New porch, stone and frame. Contract award-  
ed to Stacey Reeves & Sons, 1609 Filbert  
street.

**Apartment House**, Fifty-first and Locust  
streets. Architect, A. Lyrn Walker, Forty-  
fifth and Pine streets. Owner, Howard S.  
Anders, 2035 Chestnut street. Brick, Indiana  
limestone, four stories, 47x81 feet, asbestos  
or Carey roof, steam heat, twelve bathrooms,  
electric light. Contract awarded to Alexan-  
der Chambley, 243 South Tenth street.

**Cottage, Garage and Laundry**, Paoli, Pa.  
Architects, Evans, Warner & Bigger, Withers-  
poon Building. Owner, Mrs. S. B. Davis,  
Paoli, Pa. Stone, one and two stories, electric  
light, steam heat, shingle roof. Contract  
awarded to Gray Bros., Rosemont, Pa.

**Home Group of Buildings**, Bala, Pa., \$200,-  
000. Architects, Harris & Richards, Drexel  
Building. Owners, Presbyterian Home for  
Aged Couples, Bala, Pa. Stone, steel, fire-  
proof, limestone trimming, one, two and four  
stories, electric light, slate roof, steam heat.  
Contract awarded to J. E. & A. L. Pennock,  
Land Title Building.

**Factory**, Holmesburg, Pa. Architect, pri-  
vate plans. Owners, American Manganese

Bronze Company, Holmesburg, Pa. Brick and  
steel, one story, 30x120 feet. Slag roof, elec-  
tric light. Contract awarded to F. W. Van  
Loon, Denckla Building.

**Church**, Twenty-ninth and Dickinson  
streets, \$12,000. Architect, E. F. Durang &  
Son, Inc., Twelfth and Chestnut streets. Own-  
er, St. Gabriel's R. C. Church, on premises.  
Consists of finishing of interior. Contract  
awarded to W. J. McShane, 417 South Thir-  
teenth street.

**Power House (alt. and add.)**, Folsom, Pa.,  
\$20,000. Architect, J. T. Windrim, Common-  
wealth Building. Owners, Philadelphia Elec-  
tric Company, Tenth and Sansom streets.  
Brick, one story, slag roof. Contract award-  
ed to C. Gilpin, Harrison Building.

**Passenger Station**, Rahway, N. J. Archi-  
tect, W. H. Cookman, Broad Street Station.  
Owners, Pennsylvania Railroad Company.  
Brick and granite, terra cotta, one story,  
43x45 feet. Steam heat, tile roof, electric  
light, two toilet rooms. Contract awarded to  
Irwin & Leighton, 126 North Twelfth street.

**Church**, Bangor, Pa. Architects, Bissell &  
Sinkler, Bailey Building. Owners, P. E. con-  
gregation, Bangor, Pa. Stone, one story, 26x55  
feet. Slate roof, steam heating. Contract  
awarded to John Stiles, Bangor, Pa.

**Garage**, Laverock, Pa. Architects, Steward-  
son & Page, 320 Walnut street. Owner, Fred-  
erick Rosengarten, Chestnut Hill, Philadel-  
phia. Stone, two stories. Contract awarded  
to Carr & Hinkle, 5822 Germantown avenue.

**Building (alt. and add.)**, 523-25-27 Chestnut  
street. Architect, J. T. Windrim, Common-  
wealth Building. Owners, Real Estate Title  
Insurance and Trust Company, 523 Chestnut  
street. Marble, stone and brick, three stories,  
copper roof, steam heat, electric light, hard-  
wood floors. Contract awarded to Pomeroy  
Construction Company, 1609 Ranstead street.

**Milk Depot**, Forty-seventh and Lancaster  
avenue. Architect, Walter Smedley, Stephen  
Girard Building. Owner, Ed. W. Woolman,  
on premises. Brick, concrete, terra cotta and  
granite, two stories, 100x92 feet, enameled  
brick, asbestos roof, electric light, steam heat.  
Contract awarded to Metzger & Wells, Heed  
Building.

**Residence (alt. and add.) and Garage**, 1726  
Girard avenue. Architects, Sauer & Hahn,  
1110 Chestnut street. Owner, George W. Eng-  
land 235 South Fifth street. Brick, three  
stories, garage, brick, two stories, slag roof,  
(electric light, heat and four bath rooms re-  
served). Contract awarded to McLaughlin  
Brothers, 521 St. James street.

**Loft Building**, Thirty-fifth and Filbert  
streets. Architect, private plans. Owner, T.  
Buck, 125 North Fifth street, Philadelphia.  
Brick and concrete, two stories, 83x117 feet.  
Slag roof. Contract awarded to Harrison C.  
Rea, 1021 Wood street.

**Hospital (alt. and add.)**, Forty-fourth and  
Market streets, \$16,000. Architects, Brockie  
& Hastings, 328 Chestnut street. Owners,  
Pennsylvania Hospital for Insane, on prem-  
ises. Stone and brick, three stories, tile roof,  
(electric light and heat reserved). Contract  
awarded to J. S. Cornell & Sons, Land Title  
Building.

**Residence**, Moylan, Pa. Architect, Lincoln



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310 Morris Building,

Philadelphia

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H. Smith, 5950 Spruce street. Owner, Lewis Miller, care of Pennsylvania Railroad Company. Plaster, two and one-half stories, 24x36

feet, electric light, slate roof, hot water heat, two bath rooms. Contract awarded to R. C. Ballinger, 218 North Thirteenth street.

## Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

J. E. Enich (O), 1001 Chestnut street. Cost, \$8,000. Two dwellings, brick, two stories, 16x62 feet, 5307 Angora street. Cost, \$8,000. Two dwellings. Cost, \$8,000. Two dwellings, Cost, \$8,000. Two dwellings. Cost, \$16,800. Forty-two dwellings. Cost, \$17,600. Forty-four dwellings.

J. N. McGarvey (O), Sixty-third and Columbia avenue. Cost, \$60,000. Twelve dwellings, brick, three stories, 16x35 feet, Sixty-third and Columbia avenue.

Philadelphia Rapid Transit Company (O), Eighth and Dauphin streets. Cost, \$300,000. Sub-station, brick, one story, 46x97 feet, Fifteenth and Tucher streets.

Judge Robert von Moschzisker (O), 2101 Delancey street. H. E. Grau Company (C), 1707 Sanson street. Cost, \$16,000. Dwelling, brick, four stories, 18x64 feet, 2101 Delancey street.

Michael Trump (O). J. E. Kearney (C), 327 North Sixty-third street. Cost, \$12,000. Dwelling, brick, three stories, 26x43 feet. Sherman and Germantown avenue.

Julius Werner (O), 2635 East Ontario street. Cost, \$2,000. One dwelling, brick, two stories, 16x28 feet, Ontario and Thompson streets. Cost, \$1,800. One dwelling.

Dr. George Woodward (O), North American Building. W. J. Gruhler Company (C), 219 High street. Cost, \$8,300. Dwelling, stone, three stories, 46x35 feet. Willow Grove avenue and Seminole avenue. Cost, \$8,300. Dwelling. Cost, \$8,300. Dwelling.

Mrs. M. E. Richards (O), care of architect. A Whitehead (C), 1624 Latimer street. Cost, \$14,000. Dwelling, stone, three stories, 29x59 feet, Oak Lane.

George Campbell (O), 1511 Spruce street. Cost, \$4,500. Store and dwelling, 18x24 feet, Manayunk, Pa.

R. R. Bringham (O), 36 North Eleventh street. Joseph Bird Company (C), 213 North Eleventh street. Cost, \$14,000. Manufacturing, brick, three stories, 18x129 feet, 1131 Cherry street.

Philadelphia Suburban Gas and Electric Company (O), care of architect. Ed. Atkins (C), 1221 Arch street. Cost, \$75,000. Office building, brick, five stories, 25x132 feet, Washington Square and Locust street.

Logan Baptist Church (O), 4811 North Twelfth street. E. H. Sturts (C), 2614 Ridge avenue. Cost, \$11,000. Church, stone, one story, 80x150 feet, York Road and Rockland street.

J. Addison Henry Memorial Church (O), Sixty-sixth and Lansdowne avenue. H. P. Schneider (C), York road and Erie avenue. Cost, \$28,000. Church, one story, 76x147 feet, stone, Sixty-sixth and Lansdowne avenue.

John F. Godley (O), 1519 Rodman street. J. H. McCloskey (C), 1421 Arch street. Cost, \$2,500. One dwelling, brick, two stories, 16x

40 feet, Eighty-seventh and Madison avenue.

A. Adamska (O), 2514 Orthodox street. R. Wolf (C), 2317 Somerset street. Cost, \$1,600. Dwelling, brick, two stories, 16x42 feet, Lamond and Orthodox streets.

William R. Stewart (O), 2735 East Lehigh avenue. John Storm (C), 5913 Hegerman street. Cost, \$2,000. Dwelling, brick, two stories, 15x38 feet, Ditman and Comly streets.

Daniel Crawford, Jr. (O), Land Title Building. Cost, \$37,500. Fifteen dwellings, brick, two stories, 15x32 feet, Sixty-first and Webster streets. Cost, \$37,500. Fifteen dwellings. Cost, \$4,000. One dwelling. Cost, \$4,000. One dwelling.

George A. Hardman (O), Dexter and Levering streets. Keller Bros. (C), Harmon road, Roxborough. Cost, \$6,400. Two dwellings, brick, two stories, 16x47 feet, Harmon road and Ridye avenue. Cost, \$3,800. Dwelling.

John Janke (O), Broad and Cheltenham avenue. Cost, \$6,000. Three stores and dwellings, brick, two stories, 16x50 feet, Germantown avenue and Hunting Park avenue. Cost, \$2,500. One store and dwelling, brick.

Rev. James Regnery (O), 1645 North Twenty-third street. Melody & Keating (C), Bailey Building. Cost, \$24,500. Convent, brick, four stories, 74x36 feet, Croskey and Berks streets.

C. E. Shedaker & Co. (O), Tenth and Lombard streets. J. N. Gill & Co. (C), 1213 Filbert street. Cost, \$16,000. Factory, brick, five stories, 66x35 feet, Tenth and Lombard streets.

J. A. Leeds (O), Upsal and Germantown avenue. Carvan Construction Company (C), 5143 Irving street. Cost, \$9,000. One dwelling, brick, three stories, 43x47 feet, Wayne avenue and Hortter street. Cost, \$9,000. Four dwellings.

"I was going to place my order with Blank & Co.," writes an out of town subscriber, "but failing to find their advertisement in your pages, concluded that the firm was of small importance." The firm that bagged the order is comparatively new to the trade, but as a regular advertiser in the home trade paper was able to make an impression that all the accumulated prestige of the older house was unable to overcome. Moral: Advertise.

Elbert Hubbard says: "Advertising is the education of the public as to who you are, where you are, and what you have to offer. Not to advertise is to be nominated for membership in the Down-and-Out Club."

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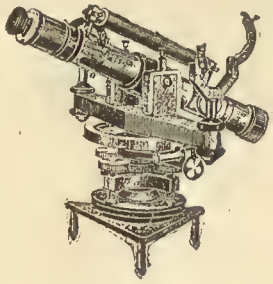
A flag has been flying from the top of the steel skeleton of the Woolworth Building, in New York City, signifying that the highest point of the construction has been reached.

The Woolworth Building is the tallest in the world and typifies America's supremacy in building construction. The main part is about 400 feet (or thirty stories) high. Above this the 85x86-ft. tower rises to a height of 755 feet.

Preliminary operations for the erection of the steel frame began July 20, 1911, when the general excavation in the cellar was about one-fifth completed. About one-half of the 66 piers had been sunk to bedrock at a maximum depth of 120 feet below the curb. A few of the piers were rectangular in cross-section, but most of them were circular with diameters of from about 8½ to 18¾ feet.

The structural steel was delivered to tide-water by railroad at Greenville, N. J., about twenty miles from the site of the building. An engineer and assistant stationed there sorted the steel when it was loaded on lighters for reshipment as ordered two or three days in advance, by requisition from the superintendent of the building.





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The first columns were erected October 20 and the framework was erected up to street level about December 1, 1911. The largest column was 30 feet long and weighed 45 tons. Great care was taken at the building to keep the columns exactly vertical. Instrumental observations were constantly taken. Between October 20 and April 6, 1912, the 19,000-ton 30-story main building was erected up to the roof by four eight-man derrick gangs, who averaged two tiers per week and made a record of 1,153 tons in six consecutive 8-hour days. A force of 180 men was required for the steelwork. Ten carloads of rivets were used. The schedule called for the completion of the structural steel July 15.

The Woolworth Building is owned partly by French capital, investors in France having bought some \$8,000,000 worth of the shares of the company. It is named for F. W. Woolworth, who, born of poor parents in Watertown, N. Y., is at the head of a chain of stores in nearly every city in this country. Mr. Woolworth started with one store in Watertown, in 1875.

Cass Gilbert is the architect. Gunwald Aus, consulting engineer; Frank Holmes, superintendent of construction. Mailloux & Knox, consulting engineers for electrical installation and elevators. Charles E. Knox has invented a novel dispatching system for the elevators which will be used for the first time in the Woolworth Building.

## Alterations and Additions

Northern National Bank (O), Germantown avenue and Dauphin street. F. D. Kramer Company (C), Sixteenth and Spring Garden streets. Cost, \$4,500. Bank, Germantown avenue and Dauphin street.

Estate of Stephen Girard (O), Lafayette Building. B. Ketcham's Sons, 1029 Brown street. Cost, \$2,000. Girard College.

W. Huberman (O), 2909 Kensington avenue. J. F. Crowe (C), 3127 Belgrade street. Cost, \$1,050. Store and dwelling.

Vollmer Estate (O), 1218 Chestnut street. Ed. Fay & Sons (C), 1521 Ranstead street. Cost, \$12,000. Offices and stores, 24 South Fifteenth street.

Reuben Windisch (O), Oak Lane. A. R. Raff, 1635 Thompson street. Cost, \$4,000. Dwelling, Oak Lane.

Louis Bash (O), 1217 Market street. Harry Gill, Jr. (C), 2200 Germantown avenue. Cost, \$600. Store and dwelling, 716 North Broad street.

Thomas Kroom (O), 805 North Twenty-fourth street. Philadelphia Iron Works (C), 412 North Eighteenth street. Cost, \$2,400. Factory, Sixth and Master streets.

Mrs. J. Effinger (O), Brantwood Apartments. Drehman Paving Company (C), 2625 Parrish street. Cost, \$6,000.

T. M. Daly (O), 507 South Broad street. J. A. Johnson (C), 850 North Fiftieth street. Cost, \$1,400. Dwelling, 1722 South Broad street.

Fidelity Trust Company (O), 323 Chestnut street. T. M. Seeds, Jr. (C), 1207 Race street. Cost, \$44,000. Banking House, 321 Chestnut street.

Estate of Stephen Girard (O), Lafayette Pomeroy Construction Company (C), 1609 Ranstead street. Cost, \$7,000. Bank Building, Third and Chestnut streets.

C. Schmidt & Sons (O), Second and Girard avenue. Robert B. Ledule (C), 801 Wither- spoon Building. Cost, \$20,000. Brewery, Second and Girard avenue.

Jacob Weinrich (O), 1319 Market street. Harry Gill, Jr. (C), 2200 Germantown avenue. Cost, \$1,200. Hall, Seventeenth and Fontain streets.

Hugh Ayres (O), Knorr and Hegerman sts. Cost, \$1,000. Store and dwelling, Knorr and Hegerman streets.

George Bodenstein (O), Fort Washington, Pa. Jacob Gaertner (C), 2214 North Third street. Cost, \$850. Dwelling, 2124 North Second street.

Ernest Markmann (O), 4100 North Sixth street. W. J. Jones (O), 2947 North Fifth street. Cost, \$1,000. Dwelling and store, 4100 North Sixth street.

Weightman Estate (O), 1336 Walnut street. J. S. Talley (C), 1931 Market street. Cost, \$2,000. Dwelling, 906 North Broad street.

William H. Haffold (O), Bala, Pa. H. P. Weiner (C), 3245 Germantown avenue. Cost, \$1,500. Store and dwelling, 2718 Germantown avenue.

C. H. Harding (O), 5940 Overbrook avenue. M. W. Young (C), Overbrook, Pa. Cost, \$1,500. Dwelling, Overbrook, Pa.

Francis S. Clark (O), Land Title Building. C. L. Gum (C), 2546 North Twenty-ninth street. Cost, \$720. Store and dwelling, 2461 North Twenty-ninth street.

C. M. Lofflin (O), 1004 Girard avenue. H. R. Rust (C), 724 Ludlow street. Cost, \$1,600. Dwelling.

C. M. Horrocks (O), 1203 Arrott street. Reiner & Byers (C), 4842 Hawthorne street. Cost, \$900. Dwelling, Arrott and Horwick streets.

Lit Brothers (O), Eighth and Market sts. F. W. Van Loon (C), Denckla Building. Cost, \$2,000. Store.

S. Schmidt (O), 2139 North Fifteenth street. F. I. Wintz (C), 1618 North Twenty-seventh street. Cost, \$1,485. Dwelling, 2139 North Fifteenth street.

Louis Clements (O), 1344 North Fifty-second street. P. H. Clemens (C), William Penn, Pa. Cost, \$1,500. Store and dwelling, 1342 North Fifty-second street.

Thomas Marshal (O), 2415 South Sixty-second street. Cost, \$1,200. Store and dwelling, 2415 South Sixty-second street.

Mr. Geist (O), Overbrook, Pa. H. W. Geshwind (C), 1213 Filbert street. Cost, \$2,000. Coal Pocket, Sixty-fourth and Drexel road.

Karper Bros. (O), Fifty-first and Grays avenue. Specialty Engineering Company (C), Emerald and Cornwall streets. Cost, \$4,000. Coal Pocket, Fifty-first and Grays avenue.

St. Albertus' Council (O), 1337 Marston street. F. I. Wintz (C), 1618 North Twenty-seventh street. Cost, \$4,925. Club House, 1337 Marston street.

E. V. D'Invelliers (O), Germantown. W. C. Wright (C), 22 Harvey street. Cost, \$4,475. Residence, Germantown.

F. H. Hahn (O), Broad and Arch streets. J. B. Flounders (C), 1329 Arch street. Cost, \$870. Offices, 213 North Broad street.

City of Philadelphia (O), City Hall. Mitchell Bros. (C), 2125 Race street. Cost, \$27,890. School, Forty-fourth and Aspen streets.

Steel Heddle Mfg. Company (O), 2110 Allegheny avenue. Custodes Chimney Company (C), New York. Cost, \$2,000. Manufacturing, 2110 Allegheny avenue.

City of Philadelphia (O), City Hall. E. H. Sturts (C), 2614 Ridge avenue. Cost, \$23,000. School, Sixty-third and Girard avenue.

Daniel Feinstein (O), 425 South Fifth st. Cost, \$2,000. Store and dwelling, 439 Lombard street.

W. J. Roney (O), 6940 Keystone street. C. West (C), 1034 Herbert street. Cost, \$700. Dwelling, 6940 Keystone street.

University of Pennsylvania Hospital (O), Thirty-fourth and Spruce streets. F. E. Wallace (C), 1210 Sansom street. Cost, \$3,800. Hospital, Thirty-fourth and Spruce streets.

Pennsylvania Flexible Company (O), 1305 Arch street. E. J. Kreitzburg (C), 1345 Arch street. Cost, \$2,000. Factory, Seventy-third and Powers Lane. Cost, \$6,600.

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## Architectural Notes

Speaking of the \$1,250,000 building, which a number of architects, associated as "The Architects' Offices, Incorporated," will erect in New York City a New York contemporary remarks:

"The structure already is a financial success, apparently, as two-third of the space in the building has been spoken for, and it is probable that every foot of space in the building will be rented before the building is completed. In fact, it may be necessary to make the building a twenty, instead of a sixteen story structure and for that reason the steel specifications will call for sufficient reserve strength to make the addition at any time it is necessary to do so, although the plans as at present drawn call for only sixteen stories.

"It is the intention of the architects associated in this enterprise to establish, first of all, a permanent, central location for members of this profession, and at the same time provide them with as much daylight for their draughting rooms as possible, maximum transportation facilities to points in and out of the city and minimum noise.

"To accomplish the first object the ceilings will be thirteen feet in the clear. The windows will be large and the floor plans will be laid out so as to meet the lighting requirements of architects and contractors in their draughting rooms, offices and studios.

"The cost of the building itself will be in the neighborhood of \$1,250,000. The plot, upon which the incorporators, including C. Grant LaFarge, Burt L. Kenneth, M. Murchison, Benjamin W. Morris, Charles Ewing and Andrew J. Post, have had an option for some time, was taken over by them on Monday from Irons & Todd through Frederick Winant, who arranged the purchase for the architects at a figure close to the asking price of \$1,000,000, so that the project involves an outlay of more than \$2,000,000.

\* \* \*

"The architectural profession has, in a sense, been forced to build a structure containing features essential to the conduct of their profession. In designing this building the architects have realized the shortcomings of the average commercial structure for years and in their new building they intend to correct them. The floors towering above the Terminal Building, each of which will contain 50,000 square feet of office space, with permanent north light, of course, will not provide enough room for all the architects who have subscribed to the plan, but those to

whom the lower floors will be allotted will have considerably lighter offices than most structures where they are now located afford. In addition to a large court 30x80 to be made at the northeast end of the proposed structure, there is a 32-foot court of the Terminal Building, with which the court of the architects' structure will be merged."

\* \* \*

We quoted last week certain interesting opinions from the pen of Mr. C. Mattack Price on the work in country house designing of an English architect, Mr. Voysey. The additional chapters here given are, in a way, to good to be excluded.

"Voysey is very sparing of his decorative detail, and very sure that any ornamental features in his work are at once logical and appropriate," writes Mr. Price. "His primary ideal is perfect simplicity, and he justly considers that any elaboration of detail for the mere sake of elaboration is essentially incompatible with any adequate expression of such simplicity.

"It is said, indeed, that in the case of one small house on which he was working he prepared eighteen sheets of special drawings to show where the ornamental moldings, so dear to the heart of the carpenter-contractor, were not to be placed.

"Regarding Voysey's ideas on house planning it is interesting to lay stress on his belief that, for the small house, nothing is more important than to have one or two comparatively large rooms. He contends that it is futile to cut up a small house into a number of small rooms and useless corridors and passages, and his contention is a well-taken one. An important factor at the bottom of his wide success is his feeling that any architect who is really wrapped up in his work must be complete—that the half-executed scheme, or the house left to be 'finished' by the builder is a total loss. Voysey's architecture is a personal matter with him, the most casual observer could never mistake his work for that of anyone else. He does not consider his work done when the exterior aspect of the house is settled upon; he considers it as little more than begun, for there is still the treatment of the interiors and the studious design of the furniture, hardware and other fittings, if it is to be indeed a 'Voysey' house.

"He deems nothing too unimportant for architectural study, and though he is himself a decorative artist of the highest order, he believes in the significance of results ob-



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tained through the association with competent workers in the allied arts—provided, of course, that the work be carried out under his personal supervision and direction."

\* \* \*

Mr. F. W. Fitzpatrick, whose free lance proclivities have before been made the subject of comment in "The Guide," is opposed to the great majority of architects in that he is outspokenly in favor of the repeal of the Tarsney Act. His views, as expressed in the June number of "Architecture and Building," are here given:

"In some quarters there is heard a wail because Congress plans the abolishing of the 'Tarsney' Act, that legislation whereby the biggest Government buildings have been given out to private architects via the competition route. That those of the inner circle who have generally secured the plums should wail is understandable, but that the profession generally should protest simply goes to show how abjectly the rank and file follow the lead and uphold the interests of the aforesaid 'inner circle.' The profession at large has not been benefited by the Tarsney Act, nor has it been of advantage to the Government, and therefore to the people generally.

"The proposed repeal is in the Sundry Civil Bill, so is more than apt to pass, whether the Institute protests or not. That protest, as far as the rank and file are concerned, is perfunctory, and simply because the act originated in the Institute. A case of upholding a thing because one suggested it, and utterly regardless of whether it did good or harm, what is called a 'blind partisan support.'

"I think I am perfectly safe in saying that the legislation has done no good. The buildings carried on by private architects have been no better than the regular governmental

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product, have been the cause of endless rows and trouble, and have cost more to produce than those done in the usual way. I have followed the Tarsney Act products rather carefully, have had much to do with some and believe that I am competent to affirm that that legislative effort is a good one—to repeal.

“The private architect has to get his information from the Supervising Architect in

order to plan the building. The latter office, in the natural course of things, must have forgotten more about the needs of a Government building than the private practitioner can learn in a lifetime. Then the supervision of the work is done by the regular Government force anyway; so are the accounts kept by it. It all means endless duplication of work by department and private practitioner. Really the only thing the latter rules supremely is the artistic part, the exterior design and the interior finish. And I fail to find a solitary instance where the private architect has produced a handsomer, a more artistic structure than those designed by the Supervising Architect's office.

“The Tarsney Act was passed because the Government work had been so abominably ugly and because of the endless scandals and crookedness that had existed in handling it. But contemporaneous legislation and new appointments cleaned up that office, and so effectually that for a long time now it has been known that the Tarsney Act was simply a means of giving good fat commissions and extra renown to a few select architects, and not the remedial legislation it was originally planned to be.

“A much better scheme would seem to be ‘collaboration’ rather than these so-called ‘Tarsney Competitions.’ Let the Supervising Architect's office design and carry on and

build the Government buildings. It is the best equipped and most capable office in the land for that function, anyway. Then appoint and pay a ‘Collaborating Commission’ of private architects to work with the Supervising Architect to secure the best and most artistic structure possible. That is in the big cities only, of course, building of \$300,000 or over. Let it be a local commission, three or four of the best local architects, men of ability, men elected for that work by their fellows or local Chapter of the A. I. A.

“Such a Board of Commissioners will have local pride enough to really exercise its privileges of criticism and suggestion, and see to it that that building will be one worth while; the knowledge that there is to be such a Board that will go over its work will keep the Supervising Architect's office always keyed up to its best, and the combination of the two bodies, really collaborating and working together, cannot fail but produce insnitely better results than that achieved by an individual who has merely happened to hit the fancy of the best talker of the judges who preside in the more or less farcical competition performance.

“The Government competition is pretty sure to be a dead letter ere this is in print, and I would most earnestly advise the architects to clamor for ‘COLLABORATION’ as a new plank in their platform. A trial is the least that could be done. If they want it let them get busy and approve of the scheme to their legislators and representatives to whom it will already have been suggested.”

\* \* \*

Mr. Fitzpatrick's argument is, to our way of thinking, most effectively demolished by an editorial utterance of the publication which gives it space. Discussing the Tarsney Act, “Architecture and Building” remarks:

“As a rider on the Sundry Civil Bill we find another objectionable piece of legislation in the repeal of the Tarsney Act. This act, passed some fifteen years ago, empowered the Secretary of the Treasury at his discretion to obtain plans in competition from architects in private practice for public buildings erected by the Treasury Department. This included the majority of Federal buildings, and the result of the act has been to bring about a great improvement in the architectural design of our public buildings throughout the country. The New York Custom House as an architectural example far exceeds the Mullet post office, and with the improvement in the standard of our public taste, it will be a source of regret to the public at large as well as to the architectural profession if this reversion to the system which produced the latter building should take place. The repeal of the Tarsney Act unless some better provision for the design of public buildings is at once made, would mean that the ability of the architectural talent of the country would no longer be exercised in the production of our public buildings, and that all public buildings would be erected by the Supervising Architect of the Treasury



as sole authority. Provided that the occupant of that position was of the greatest possible personal ability, possessing the broadest conceivable ideas as to the architectural styles and the fitness of them to sites, it is inconceivable that such an individual could in any way equal the results of the present competitive method which attracts the brains and ingenuity of the architectural profession at large to compete in the designing and beautifying of our public buildings which are, in a sense, the monuments of the nation."

\* \* \*

"Architects like to boast of the steady improvement in the design of expensive American houses and in the laying out of big estates, but when asked about our smaller domestic work they tell you it is still far below the standard," observes "The House Beautiful." "The reasons for this are obvious enough. No well trained architect whose education has been a matter of six or seven years and a great sum of money, can afford to design small houses at the established rate. A small house looks like an insignificant problem—so easy of solution that every untrained woman in the land is ready to solve it; but the truth is that a house at \$4,000 requires twice as much time and study to design successfully as a house at \$8,000, for the reason that there never lived a \$4,000 client who did not want every convenience and comfort crowded into his little house that an \$8,000 man demands in his. Moreover, he is usually a tyro in home-building; his little sum represents the first money he has been able to amass for the purpose; and it takes much patience to persuade him how really little he can expect for it—that he must not expect the number of closets and baths and dens and back staircases and piazzas that can be put into a costlier house. If a small dwelling is to have any distinction whatever, its prime expression must be simplicity. It takes more art to leave out useless ornament and detail than to put it in. A small house is nothing more than the simplest form of shelter for a very few people. To make it an expression of refinement and good taste, and at the same time thoroughly modern as to comfort and conveniences, requires more of the architect's time than he would put on a larger house where his commission would be both actually and relatively much larger.

"If the present minimum fee of six per cent. were raised to eight per cent. for work of \$5,000 and under, really good architects might be induced to design small houses; but in such a case clients of this order would, even more than now, seek the services of the 'builder architect,' forgetting that the quality which small houses lack most and yet need most, is that subtle something called charm, and that the man least likely to impart this abiding quality is the builder. Charm is worth paying for. It is to a dwelling what it is to a woman—the imperishable attraction which outlives the pink of her cheek or the raven black of her hair. As Maggie sighs in 'What Every Woman Knows,'

"If you have char-r-m, the bad things you do count nothing against you; and if you are without char-r-m, the good things you do count nothing for you.'"

\* \* \*

From an entertaining article by Mr. Carlyle Ellis on "Hunting the Home Site," we quote the appended bits of guiding common sense:

"Composition begins with a centre of interest, some spot or object in the picture to which the eye inevitably runs and where it rests with pleasure. In a house this is generally the main entrance. You will have noticed that this feature of every building is developed with much greater detail than the rest.

"As the house is the important feature of our composition, the centre of interest is thus also the doorway. The eye travels at once to it and rests there pleased with its invitation, its suggestion of hospitality, of comfort and repose within.

"The eye in seeking the centre of interest of a picture follows the line of least resistance just as the feet do, instinctively. If there is a row of trees we look along them to see what they lead to; wherever there is a line the eye follows it in an unconscious search for something. If the search is not in vain we get a sensation of satisfaction or of pleasure. If you study a good landscape painting you will find all the lines—the road, the path, the tops of the trees or hills or fence or buildings converge at a common centre wherein is the heart of the picture and straightway runs out the other there is a sense of discomfort. Our look has to jump the road to see the picture.

"So if, in looking at your house, it is necessary to climb over barriers to reach it, your tableau will by that much fail to satisfy. And if you hide your entrance behind a screen of green and do not provide another resting place for the eye, your composition may fail to get a second glance. Of course, that degree of privacy may be desirable to you but in spoiling the picture that your house makes you are also spoiling the picture that the view from your entrance offers you."

\* \* \*

"Your facade has been designed with care for its good appearance from the street. Then do not cut it up with opaque evergreens. If there are to be trees in front for the sake of the shade spots, use tall trees without low branches. For privacy grow vines in front of the veranda. Let one corner of your house at least find shelter under the branches of the big cherry tree.

"Avoid tiresome symmetry without losing the balance. These are rather technical matters familiar to your architect and you will do well to consult with him but you will find it worth while to work these things out, in the rough at least, for yourself. To secure balance, for example: If one end of your house sits in a grove of trees and you wish a lawn on the otherside, keep a few trees at the edge of the lawn to 'balance' those on the other side of the house."

"I speak thus in detail of the house because these things should be considered when you are site hunting. If you have a definite plan for your house in mind before you have an idea for the site, you should seek your site to fit the home. A chateau would be out of place where a bungalow cottage would be wholly at ease. A barn might be badly misplaced on the ideal site for a farmhouse. Your house, as has been said, is the chief element in your composition.

"But site hunting untrammelled by aught save the limits of one's imagination is great run and a liberal education. It was brought to perfection by the man who built real castles in Spain (for these same castles seem fairly to have grown from their hilltops) and it may easily be developed to very good purpose by those of us who are still building castles in Spain or those who, perhaps more fortunate, have progressed to the point of building homes in America."

\* \* \*

"Who loves his garden still his Eden keeps," wrote an old time poet. Many of the English poets and for that matter, prose writers too, have variously recorded their affection for their gardens. Mr. Evelyn for instance had a passion for horticulture and his famous "Diary" frequently stops scandal-mongering long enough to tell of his own garden and of those he "visited" on the continent. It was after visiting Italy, no doubt, that he formed terraces back of his house at Wotton and planted rows of pines along the walk, "for," as he remarks with his usual importance, "the pines improves the air by its odoriferous and balsomical emissions." The cantankerous little Alexander Pope is another who tells of his delight in his garden, and when he was forced to tolerate a new country road through the middle of it, he connected the two parts by a tunnel which took the form of a beautiful grotto. This was his favorite retreat in summer and here he received distinguished guests and described the occasions by his immortal line, "A Feast of Reason and a Flow of Soul."

We have an enormous amount of garden literature in America but it is largely practical rather than poetic, observes "The House Beautiful." The output is a comforting indication that we may in time have fine American gardens—not necessarily extensive, but appropriate to the house and to the surrounding country. The mistake has generally been, where an owner was striving to accomplish a garden, to treat it quite independently of the house, often taking the word of the local florist as to its layout. The result was that he had "grounds" but not, to an artistic eye, a garden.

When you want to find the address of the man who "doesn't believe in advertising," don't look up a directory. Just ask the sheriff.

An advertisement should stick out like a sore thumb without being so sensitive,—  
"Novelty News."



Bell Phone, Spruce 6612

Keystone Phone, Race 2799

## The Philadelphia Real Estate Record and BUILDER'S GUIDE

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# Editorial Comment

"The Western Architect" calls attention to the fact that the architectural profession in demanding a limit to the height of buildings occupies a somewhat anomalous position. The most conspicuous offenders in the business of creating skyscrapers,—as our distinguished contemporary does not hesitate to point out,—are the architects themselves who are "winning honors and paying draftsmen's wages through the design and erection" of this sought-to-be-proscribed type of building.

\* \* \*

"From Ernest Flagg (one of the greatest sinners in practice and the strongest saint in precept, in New York) to the Oregon Chapter at Portland, which demands that the limit be placed at 160 feet," observes the "Western Architect," "there is the constant agitation of the question of building limitation among architects throughout the principal cities of the country. The situation must seem extremely curious to the layman who only looks at the dollar return without regard to the aesthetic character of the investment, for he cannot comprehend the different viewpoint of the architect. It is probable that even the commercial demand, that in the face of restrictive laws succeeds in obtaining special permits for excessive structures, would not be so influential, and such laws would be more general in cities, if the profession could arrive at some definite plane upon which to make the limit seem reasonable. In Paris there is such a basis, this being twice the width of the abutting street. But in the United States the general argument of restriction of light and air, crowding of streets and like congestion, and unsanitary conditions, is made, but no definite rule as a basis of calculation can be established. The most pernicious influence encountered when a limitation is established is the special permit. It made the first restrictive law in Chicago ridiculous and unjust, and finally led to its abolition. To-day Portland, Oregon, with its 160 feet, and St. Louis, Missouri, with its 209 feet restricted height, are suffering from the same laxity in municipal morals, in seeking by special permit to eliminate the restrictive law. It is probable that cities will continue to build to the height that commercial requirement demands, architects will design to the height the client requires, and occupy the anomalous position of chief offender and chief censor."

\* \* \*

There is reason to believe that the craze for erecting cloud-piercing commercial structures will in the not remote future regulate itself as many similar evils have shown a tendency to do. So long as the skyscraper was new and able to exert the charm of novelty it was able to draw tenants in sufficient number to make it a paying investment. This magnetic "newness,"—reaching in the earlier

stages of the tall building craze the proportions of a fad,—has within recent years undergone a marked and noticeable decline in vogue, with the result that building an edifice of the kind to-day is a form of gambling dangerously hazardous to any but an enormously wealthy man or syndicate of men. In fact, there is plainly evident a growing demand for office space, under the best modern conditions, in buildings distinctly not of the skyscraper type of design.

Just why architects should take the trouble to oppose the abnormally tall building we must confess we find ourselves at some loss to conceive. Many of the most artistic and striking things in American architecture are of this proscribed type and certainly so long as architects are paid in fees based on a fixed percentage of the structural cost no complaint can be lodged that the designing of the skyscraper is not a paying proposition this cost running into six figures on the very plainest and least ornate of buildings of the kind.

To be sure some merit undoubtedly attaches to the argument that the skyscraper, housing as it does a perfect hive of activity centralized at one fixed point, does to some extent discourage the development of a community along ordered and balanced lines of improvement, and in this way perhaps reduces the volume of opportunities which might thus fall to the practitioner, but then, who can say with absolute certainty that this is the case?

The one certain thing in connection with the skyscraper is that limit or no limit it has about reached the vidette post of its ultimate vogue. The tendency of the future will lie in the direction of buildings of a more reasonable size catering especially to needs more or less highly specialized. And if "The Guide" doesn't miss its guess this class of building will be found vastly more profitable from the investment point of view than the great, towering, over-elaborated structure, it is designed to supplant, however valuable, from an advertising and "show" standpoint this type of structure may be held to be.

\* \* \*

When the operative builder is asked why he doesn't build a better grade of dwelling house, from plans by a reputable architect, he shrugs his shoulders, smiles half-amusedly, then observes dryly that if he did he'd be in the hands of the sheriff before the year's end. But—would he be? An English speculator who bought up Gidea Park, an historic old estate just outside London, has recently tried out this plan, so long pronounced impracticable by speculative builders, with the most conspicuous success.

Prizes of \$1,250 and \$1,500 were offered architects for plans for houses not to exceed \$2,500 in cost with the result that designs were received from a hundred and twenty well known architects. From these designs the



houses were built, the architects whose designs were not accepted receiving pay for their services at a fair scale. In the very first week the new suburb was opened the greater number of the houses were sold or rented. New houses duplicating certain favored types were commissioned extensively. The suburb was a success from the very outset. Such men as Arnold Bennett, Thomas Hardy and H. G. Wells commented in terms of warm laudation upon the new era of speculative building. The "jerry" builder will tell you the same sort of thing "wouldn't go here." And it wouldn't—with the "jerry" builder. He'd rather continue to throw up mud plastered foundations, half-done millwork, scamped brickwork and gingerbread finish because his margin of profit is greater. When the public gets wise to the jerry builder's game, as it threatens to, the Gidea Park enterprise and other projects of the kind, based on sounder ideals of construction, will begin to look more feasible. A Bureau of Building Inspection, in each of the larger cities, worth its salt, would hasten this much-to-be-desired condition most appreciably.

\* \* \*

"The House Beautiful" has a pithy little chapter in its most recent number on "The Superlative in Printer's Ink" that is so very timely in the note of reminder it sounds upon the growing tendency to misuse words that we find pleasure in passing it along to our readers:

"The average mind is becoming so used to the superlative language of advertisements and newspaper headlines," says the "House Beautiful," "that it accepts this form of fraud most calmly. Greatest on earth may apply to a traveling circus, or a new five-cent washing powder, or a toothsome chocolate caramel, and no one questions the incongruity. Ideal might mean a new kind of carpet tack or a black-haired, cherry-lipped girl's head on a calendar. In the way of news, startling can be applied to the most ordinary everyday sort of event; and after we have read such an adjective misapplied day after day we 'first endure, then pity, then embrace' and begin to describe our house and everything in it as ideal, and the most everyday occurrence as blood-curdling. Even those who do not go that far, at least do not resent such descriptive terms from others. A group of women were recently looking over some of the current magazines and reading aloud the captions underneath the illustrations. We hope our own publication was not among the number for these are a few of the legends they read: Under a cut of a stone barn on a Pennsylvania estate—a plain honest-looking barn—was written 'This barn is a superb example of Germantown Colonial.' Under a very diminutive illustration of a wall paper pattern the legend was 'Small, old-timey drapery effects are redolent of days agone.' A picture of a new, ugly, cheap piazza up which a few vines of one season's growth were struggling, was labeled 'This charming vine-clad porch catches even the lightest zephyrs.' Not one woman of the group resented all this bosh;

they may indeed have thought the phrases pretty enough to memorize and repeat. We even heard one of them who had stenciled a very bold Art Nouveau red and green design on a white table cover, declare it to be the 'chapest thing she had done in the way of stenciling.' Now the number of really dignified, self-respecting, adjectives that could be used to describe the modest home of good taste is limited. Better to keep within them even at the risk of monotony than to employ such exaggerations and vapidities.

"Once our minds are trained in terms of truth and simplicity concerning these things we shall be on our guard against over-rated wares of all descriptions."

What a world of truth there is in this little indictment of the affectation, pose, exaggeration and straining after effect in the current terms of advertising! Yes,—and in terms not frankly advertising as well if we must say so!

Under the heading of "Architectural Notes" in this number, "The Guide" presents the views of one architect who is at variance with the great majority of the members of his profession in that he applauds, whereas they condemn, the efforts being made at Washington to repeal the Tarsney Act. "The Guide," having read these views very carefully, remains unchanged in its stand in favor of the retention of the present admirable system. We trust and sincerely hope that the rider having for its object the repeal of the Tarsney Act will be defeated. Mr. Fitzpatrick's views are presented to our readers for what they are worth. Whatever their merits or demerits they serve to prove at least, this: that the question has two sides. Do we hear anyone in this section of the country vote aye to the Fitzpatrick way of thinking?

### THE COST OF SOLOMON'S TEMPLE.

Few people, even in these days of palmy extravagance and millionaire displays, have any adequate impression of the great temple of Solomon. According to Villapandus, the "talents" of gold, silver and brass were equal to the enormous sum of \$34,399,111,000. The worth of the jewels is generally placed at a figure equally as high. The vessels of gold, according to Josephus, were valued at 140,000 talents, or \$2,876,481,015.

The vessels of silver, according to the same authorities, were still more valuable, being set down as worth \$3,231,720,000. Priests' vestments and robes of singers, \$10,050,000; trumpets, \$1,000,000. To this add the expense of building materials, labor, etc., and we get some wonderful figures. Ten thousand men hewing cedars, 60,000 bearers of burdens, 80,000 hewers of stone, 3,300 overseers, all of whom were employed for seven years, and upon whom, besides their wages, Solomon bestowed \$73,669,850. If their daily food was worth fifty cents each, the sum total for all was \$319,385,440 during the time of building. The materials in the rough are estimated at \$12,726,685,000.—"Brush and Pail."

### ABSTRACT OF AN ESSAY ON FLATS.

Flats are an invention whereby people who live in crowded cities can be piled up in layers like pancakes, says George Matthew Adams in the "Architect and Engineer."

A flat consists of a collection of living rooms all on one floor. A flat building consists of from six to sixty sets of rooms all under one roof and under the overlordship of a janitor who lives in the basement and doses the furnace with coal on the homeopathic plan. A really expert janitor can run a twelve-flat furnace all winter on a wagon load of coal and can so chill the tenants when they come down to complain that their rooms will seem tropical when they return to them.

Flats are built of brick, wood, stone, straw-board, felt and tissue paper, the latter being used principally for partitions. An economically built flat building is usually provided with a lightwell which is entirely filled with conversation. By means of this well the occupant of the top flat can hear what the husband of the first floor says when the coffee doesn't suit him, and when the woman in No. 2 tells her late returning spouse that he is a brute the women in Nos. 1, 3, 4, 5, 6, 7 and 8 quiver with simultaneous indignation.

Flats have handsome hallways fitted with New Jersey Turkish rugs, and back porches where one may have a garden consisting of a geranium. They are also provided with bath tubs and two kinds of water, cold and not so cold. In the cities, owing to the high price of ground, aldermen and building material, the rooms in a flat are sometimes very small—so small that when the daughter is playing the piano the mother has to wash the dishes gently for fear of splashing on the music—so small that the members of the family have to be measured for the bedrooms as they would for vests, and any one weighing over 180 pounds has to work himself into the bath rooms by means of glove powder and a shoe horn.

### A CODE SYSTEM FOR ENTERING CONFIDENTIAL INFORMATION.

A real estate man listed all the information relative to each piece of property he handled on a single form. The drawback to the use of this method was that frequently in handling a sale the form had to be shown to a prospective purchaser, who thus secured much information to which he was not entitled.

To avoid carrying a duplicate form merely for this confidential information, the dealer finally hit upon the simple expedient of listing this confidential information in abbreviated form in a predetermined order at the bottom of the card. To the customer the line is a sequence of meaningless figures, but clerks and salesmen know that from left to right the figures indicate commission, lowest price, assessment, terms and so on.

Another advantage is that this plan permits the omission of these captions from the form. Commissions, assessments and the possibility



**T**HIS is the season of the year when people who live in dwellings equipped for Electricity are able to keep reasonably comfortable, while their less fortunate neighbors are unable to obtain refreshing sleep or comfort at meals.

The person who buys or rents a property now-a-days not electrically equipped, deliberately sacrifices opportunities for comfort, convenience and health.

**THE PHILADELPHIA  
ELECTRIC COMPANY**  
TENTH AND CHESTNUT STS.

## RUUD Automatic Gas Water Heaters

The Novelty of Yesterday  
The Necessity of To-Day

## HILL-CANTON Clothes Drying Cabinets

The Only Dryer that Ventilates  
and is Guaranteed Not to Turn  
Clothes Yellow.

LOW IN PRICE  
ECONOMICAL IN OPERATION

## BARTLETT & CO., Inc.

1938 Market St., Philadelphia  
MAKERS OF FURNACES AND  
RANGES SINCE 1843



### A Perfect White Print

for double the price  
of a blue print

Made by  
**THE BLUE PRINT CO.**  
1516 Chestnut St., Phila.

of a price lower than that quoted him are not considerations likely to help prospective purchasers to make up their minds. But the code figures convey no suggestion of this kind to the layman.

Another real estate man handles this problem by means of a cross index. As the forms are made out they are given consecutive num-

bers in a permanent record book. The lines are numbered to correspond with the listing sheets, and confidential information is entered thus. As nothing identifying any property is entered in the book, there is no danger that any item of this confidential information shall ever fall into the hands of unauthorized persons.—“System.”

## Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

\*\*One of Wall street's leading bankers who has an influential voice in the management of several important railway systems makes the following pointed remarks on politics and the business situation:

“Entirely too much attention is being paid to politics and too little attention is given to the highly favorable business outlook. This country is in a thoroughly liquidated condition. We have been standing still for four years. Our financial position is sound, and if we have good crops this fall, I care not who is nominated or elected President, for business will boom. It is my firm conviction that 1912-13 will be highly prosperous years even though a so-called radical man is elected President.”

\*\*Rents of dwellings have gone up rapidly in Paris, particularly during the last three years, when advances of anywhere from 25 per cent. to 50 per cent. were of frequent occurrence. Indeed, a house famine is threatened. The census decision ended January 1, 1911, saw a net increase of building of only 2,791. At present the vacant dwellings constitute less than 1 per cent. of the total number of dwellings.

\*\*The exports of Carrara marble from the ports of Marina di Carrara and Leghorn last year amounted to 206,559 metric tons. The biggest customer for the marble in blocks was the United States, which took 42,469 of the 118,562 metric tons of block marble exported.

\*\*The forty-fourth annual convention of the American Society of Civil Engineers was held at Seattle, Wash., June 25 to 28, 1912. Considering the fact that the society has a total membership of 6,500, the attendance of about 150 was very small.

\*\*Contracts have been let by the N. & G. Taylor Company, of Philadelphia, manufacturers of tin plate, for the erection of a complete tin house at their Cumberland, Maryland, plant heretofore devoted to the production of blackplate only, tinned at their Philadelphia works. The new addition will comprise the latest ideas in tin-house construction, especial attention having been given to ventilation, lighting and mechanical transportation of materials within the building. A new electric generating set is being added to

the electric power plant. The present laboratory is being doubled in size, and a large warehouse for the storage of blackplate will adjoin the new tin house.

\*\*The United States Radiator Corporation, Detroit, Mich., announces the appointment of E. E. McNair as sales manager, succeeding F. W. Herendeen. E. W. Sanborn has been appointed assistant sales manager.

\*\*At the annual meeting of the Manufacturers' and Dealers' Protective Association, held last month, in New York, Secretary F. R. Huntington reported that 15,000 claims, amounting to \$1,250,000, had been adjusted by the association during the past year. Nearly one-third of this amount, or \$470,000, was settled direct through the secretary's office. Officers elected for the ensuing year were as follows: President, William M. Seymour; First Vice-President, John S. Simmons; Second Vice-President, G. D. Dorsey; Treasurer, L. O. Koven; Secretary, F. R. Huntington; Assistant Secretary, H. M. Brunner; Board of Trustees, W. M. Seymour, J. S. Simmons, G. D. Dorsey, L. O. Koven, Joseph Keeler, E. E. Haff, F. A. Buckman, Walter S. Gibbs, Martin Behrer, George W. K. Taylor, Robert F. Seiffert, Thomas M. DeLaney and William J. Myers.

\*\*The annual meeting of the Boiler and Radiator Manufacturers' Association, held at the Hotel Astor, New York, June 10, was largely attended, and a note of optimism as to trade conditions was manifest. The following officers were elected for the ensuing year: President, P. M. Beecher, Syracuse, N. Y.; Vice-President, H. T. Cole, Detroit, Mich.; Secretary-Treasurer, William Ritchie, New York; Directors, Charles K. Foster, Chicago; F. H. Moore, Utica, N. Y.; D. Rait Richardson, New York; R. D. Reed, Westfield, Mass., and John H. Waters, Johnstown, Pa.

\*\*The American Radiator Company, Chicago, has purchased fifteen acres of land from the North Birmingham (Ala.) Land Company, on which it will build a large radiator manufacturing plant. The land is located near Thirty-fifth street and Fourth avenue, North Birmingham, Ala. The cost of the plant is estimated at \$500,000, and it will employ between 500 and 600 men.



## NEW INVENTIONS.

Reported especially for this paper by H. B. Willson & Co., Patent Attorneys, 715 Eighth street, Northwest, Washington, D. C.

A Complete Copy of any of these patents will be forward to any person by Messrs. Willson & Co., on receipt of ten cents. Persons ordering Copies must give Number of Patent.

H. M. Lucas, Gatun Canal Zone, assignor to H. S. Tompkins, Gatun Canal Zone. 1,030,905, detachable ladder-hook.

H. M. Day, New Richmond, Ohio, 1,030,979. Window screen.

F. P. Edler, Chicago, Ill., 1,030,985. Window screen.

E. C. Kahn, Milwaukee, Wis., assignor to Burglar Alarm Lock Company, 1,031,008. Burglar alarm and lock for windows.

T. H. Kane, Youngstown, Ohio, assignor to Trussed Concrete Steel Company, Detroit, Mich., 1,031,124. Window construction.

William Gorst, Wayne, Nebraska, 1,031,178. Storm sash holding device.

A. A. Page, East Haven, Conn., assignor to Sargent & Co., New Haven, Conn., 1,031,287. Sash center.

A. J. Ellis, Woodcliff-on-Hudson, N. J., and C. E. Nellis, New York, N. Y., assignors to A. J. Ellis, Inc., 1,031,331. Hollow metal door frame.

A. H. Newpher, Chicago, Ill., assignor to the Adams & Westlake Co., 1,031,364. Window sash.

C. S. Perry, St. Elmo, Tenn., 1,031,368. Shingle fastener.

C. A. Overton, Coeur d'Alene, Idaho, assignor to Overton Adjustable Roof Joint Manufacturing Company, Coeur d'Alene, Idaho, 1,031,577. Roof joint.

J. P. Duncan, New York, N. Y., 1,031,633. Sash holder.

G. H. Haskell, Detroit, Mich., assignor to J. E. Bolles, Iron and Wire Works, Detroit, Mich., 1,031,645. Spiral stairway.

## WHY MORE FRENCH ART IN AMERICA?

It seems that America's newly awakened art impulse has quickened the affection of the French nation, and quite recently a committee of busy French gentlemen have come over here to see about it.

Many of us can easily remember the time when unless a house or a garden or painting was labeled "French" and "imported" it had no interest for the people with money to spend, even those of us who did not know much about French art insisted upon the all-important Parisian label. We had no interest in American productions; we had never for a moment considered the possibility of American art. We were satisfied that our Colonial houses should be Greek, our Colonial paintings English, and everything in modern life French. Naturally, this not only was very bad for America, but extremely satisfactory and beneficial to France. We became a source of rich revenue to the French artists and merchants to an extent probably not realized by them or by us until within the last decade the tide began to turn. A change of heart set in in this country. We began to waken; our imaginations were touched by the beauty of our own land, and our spirits were quickened toward the possibilities of the development of an art which would belong to us, sacred to our country.

This revolution naturally came about very slowly, is by no means an accomplished fact even now. And yet the condition is probably more widespread than we have realized. At least it is sufficiently general to have alarmed the French nation, and while we here in America are just congratulating ourselves that we at last have time or impulse to think of the development of national styles in architecture, painting, even in ways of living, the French people have suddenly discovered that not only has their financial loss been increasing year by year since the beginning of our national art life awakening, but that

they are likely to lose us almost wholly as a source of revenue unless something very significant is done to concentrate once more the interest of the rich American on French production.

And because we are interesting to France, not only as comrades and friends, but as an important source of revenue, we find a committee of gentlemen coming over to visit us, and telling us that we are such nice people that they are going to give us a French museum of art, which will be created by the French Institute of the United States, which will be a branch of the Comité France-Amérique, with headquarters in New York. They are doing all this that the bond between us may be nearer and dearer, that we may understand their unselfish love for us and their desire to share with America whatever is beautiful and interesting in France.

This committee of gentlemen brings us a bronze by Rodin for the Champlain Committee. This is very interesting, so far as it goes. Anything Rodin does should be of interest to America, for he is not only a great artist, but a great democrat, and we should receive such a gift in the appreciative spirit I picture France would manifest if a bronze of George Grey Barnard were made as a gift to the city of Paris. But the point which is of essential interest to "The Craftsman" and which does not seem to have as yet awakened the sense of humor of the American public, is the fact that while we are welcoming with open arms this group of estimable gentlemen, and entertaining them at the White House, at Harvard University, in the homes of our new and old-rich, they have really come to create once more in America an interest in French products in order that the awakened are impulse which they have observed amongst us, and which is a fact, should be diverted from its natural home channel and flow persistently in rich floods through the shops of France.

It is rather astonishing, considering the frankness of these gentlemen in their speeches and interviews, that the country has not opened its eyes to the fact that they are here "on business." Although they praise the country and the women and their reception, they speak with customary honesty in regard to the purpose of this French museum of art, and what they expect it to accomplish for France. Of course, they do not say definitely and boldly, "We want American trade in France because our banks are not as rich as when we had more of your money," but they have made from time to time amazingly ingenuous statements to private individuals and to the press at large. M. Hanotaux, who is a representative of the French Government and a member of the French Academy, has expressed his point of view toward the United States will some day rule both oceans and possibly both ends of the continent. Is France doing her duty and assisting as she should this wonderful development? The part which America now plays in the world's economic life and in the development of civilization is undoubtedly the most important fact of the nineteenth century." M. Hanotaux questions the world in regard to the French attitude toward the development of America in these naive words: "Is France giving to the American continent the sympathetic attention it deserves?" It would seem that the impression we are expected to receive is that the great and powerful French nation has not quite recognized America and her little development in art, but that she is willing to do so if America makes it worth her while. And so this French museum of art will bring to our eager and thirsty art souls a greater knowledge of what France is achieving, and create in us a greater sense of appreciation.

The plans of this museum are very ambitious (for France). Every season masterpieces of French art will be loaned to us. Lectures about French art will be given all over the country. No effort or expense will be spared to create the widest interest in France as a pleasant place in which to live and spend money; in French art as the greatest of the world; in French fashions as essential to the happiness of woman. The free public lectures will be on such subjects as Modern French Etchings, Art Nouveau, Sevres Paste, Beauvais Tapestries (all for sale); there will also be committees to give lectures and issue pamphlets on French ceramics, tapestries, textiles, jewelry, Period decorations, furniture, casts, sculpture, engraving, wood carving.

Mr. McDougall Hawkes, an enthusiastic American supporter of this organization and an ardent admirer of French culture, has perhaps more frankly expressed the real purpose of the visit of the committee and the future work of the French museum than one would quite expect under the circumstances. "This country," he says, "is undoubtedly ready for the extensive popularization of French art and French styles. An extended period of prosperity in America has been very favorable to the development of decorative art. Under the influence of hundreds of



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TREASURY DEPARTMENT, OFFICE OF Supervising Architect, Washington, D. C., July 15, 1912.—Sealed Proposals will be received in this office until 3 o'clock P. M. on the 26th day of August, 1912, and then opened, for the construction, complete (including plumbing, gas piping, heating apparatus, electric conduits and wiring, interior lighting fixtures, and approaches), of the United States post office at Punxsutawney, Pa. The building is of one story with a mezzanine at each end and basement at one end only, and has a ground area of approximately 5,200 square feet. First floor only fireproof, stone and brick facing, and slag roof. Drawings and specifications may be obtained from the custodian of site at Punxsutawney, Pa., or at this office, at the discretion of the Supervising Architect. JAMES A. WETMORE, Acting Supervising Architect.

### REAL ESTATE TRANSFERS.

Summary for week ending July 13th, 1912:  
 Number of transfers..... 383  
 Amount of transfers.....\$1,302,850.92  
 Cash consideration ..... 453,437.29  
 Mortgage consideration ..... 849,413.63  
 Ground rent consideration..... 1,278.79  
 Which on a six per cent. basis  
 amounts to ..... 21,313.17

young men trained at the Paris Baux Arts, American architecture, not only in cities but in our smaller country towns, is leaning decidedly toward French styles. The development of this taste will create a steadily increasing demand for the products of French industrial art. At present, however," remarks this noble patriot, "we have not in this country the craftsmen who could supply this demand. This newly born taste for decorative art of quality must be carefully nurtured and directed along the right line. For that purpose the works of art which the generosity of American philanthropists now and then add to the collections of our museums are totally insufficient." (In all this

matter Mr. Hawkes is alluding only to French collections.) He goes on to say: "We must collect (French) documents, photographs, casts, slides, since we cannot collect all the originals. Finally for those who cannot go and look at our collections, we are going to publish a monthly bulletin recording every step forward taken by the institute."

Was there ever such an astonishing and naive statement put forward by a native of a country in regard to the art of that country? In other words, the awakening of an art impulse in America toward American conditions is a thing to be perverted from its birth, and to be used absolutely to swell the bank accounts of another nation. We are to sell our heritage of art in this country for a mess of French pottage.

It would be difficult to imagine anything more detrimental to our nation than this movement of the French merchants, artists and politicians to atrophy the growth of American art and to graft upon our very young tree branches of French productivity that would eventually flourish unconditionally and absorb all the life of the trunk and roots.

Why should we open our arms to such a project? Why should we make welcome in this country a group of French gentlemen whose sole object is to strip from us the young fresh growth of art which we are just beginning to water and tend and understand and plant slips from out over the whole land? What hope can there be for us in any department of our social progress if we permit ourselves to be wholly dominated by the art influences of another land?

This does not mean for moment that America does not appreciate French art, has not often been vastly benefited by it, does not wish examples of it in museums and homes, as part of the history of art necessary to widespread culture, but it does mean that the effort which is being made to strangle at its birth the art impulse of this country in order that the French painters and merchants, the French industrial art workers, the French modistes and the French builders may be enriched, is a project which not only should be refused opportunity to implant itself in this country, but should be faced and reckoned with from the beginning.

It is very well that we as a people should welcome this committee as bearers of a bronze statue by Rodin for the Champlain celebration. They are gentlemen, if not of great importance to France and America, at least of international interest, and that they bring us a beautiful work of art in commemoration of the early struggles of this country, in which France was more often than not our friend, deserves courtesy and honor; this we gladly offer to them as representatives of France, as envoys from France's greatest artist. But as a group of business men sent by the keenest business interests in France to establish schools throughout America for the expansion of French art in its fullest sense, surely the civic patriot has no open hand or cheerful word. France may flatter us by telling us how important we are and how signifi-

cant we are going to be, and how we should be an art center. We are very glad to hear these things. We are interested that a nation as intelligent as France should recognize our possibilities. But why should we for one moment permit her to imagine that she is going to use them as well as recognize them? If we have grown into the possibility of becoming the art center of the world, we owe it first of all to ourselves to become the art center of American production, and not to crawl at the feet of another nation and permit ourselves to be exploited for her financial and artistic betterment. As a matter of fact, we do to-day know as much about French art as is good for us. We have her history in all our museums and libraries; we have her influence in some of the most wide-awake and significant of our young men. We have been practically for generations crushed under the tight hand of the Beaux Arts in our architectural development. What we need now is to digest all the good things we have eaten from the hand of this nation, to flourish with the strength they may have given, then with what help we have gained from this and a dozen other influences, to put heart and soul and energy into the production of our own art, that it may flourish from one end of the nation to another, for our betterment, for our fame and wherever possible for our own financial help.

Of course, we cannot prevent France from organizing a museum in New York if she chooses to. We cannot prevent her giving free lectures; we cannot prevent her opening the doors of her museum in order to show us how much France has accomplished. As a matter of fact, it is not necessary to prevent any of these things. It is very good of France to want to keep us in touch with all she is accomplishing. It is good for us to know where every nation stands in relation to its own art history; but what we must understand and then absolutely overcome, is the purpose of this committee and those who are receiving them in America, to sidetrack our new grown art impulse into the old lamentable imitation and appreciation of French art, which must result in death to our individual artistic development and loss of national dignity.

If instead of developing American art we buy French art; if, instead of building American houses suited to our own needs, we continue to import the point of view of the Beaux Arts student; if, instead of dressing to suit our lives and living to suit our own ideal of happiness, we import French dresses and manners and customs, the demoralization of our nation will be something past belief. At one time a certain cultured influence was possibly more or less good for us, but now that we have the imagination to apprehend the beauty possible from our national environment and the stirring impulse to make it manifest, we are scorning the gifts of the gods if we turn back and consent once more to ornament our lives with the surplus art products of any nation, however cultured and progressive.—"The Craftsman."



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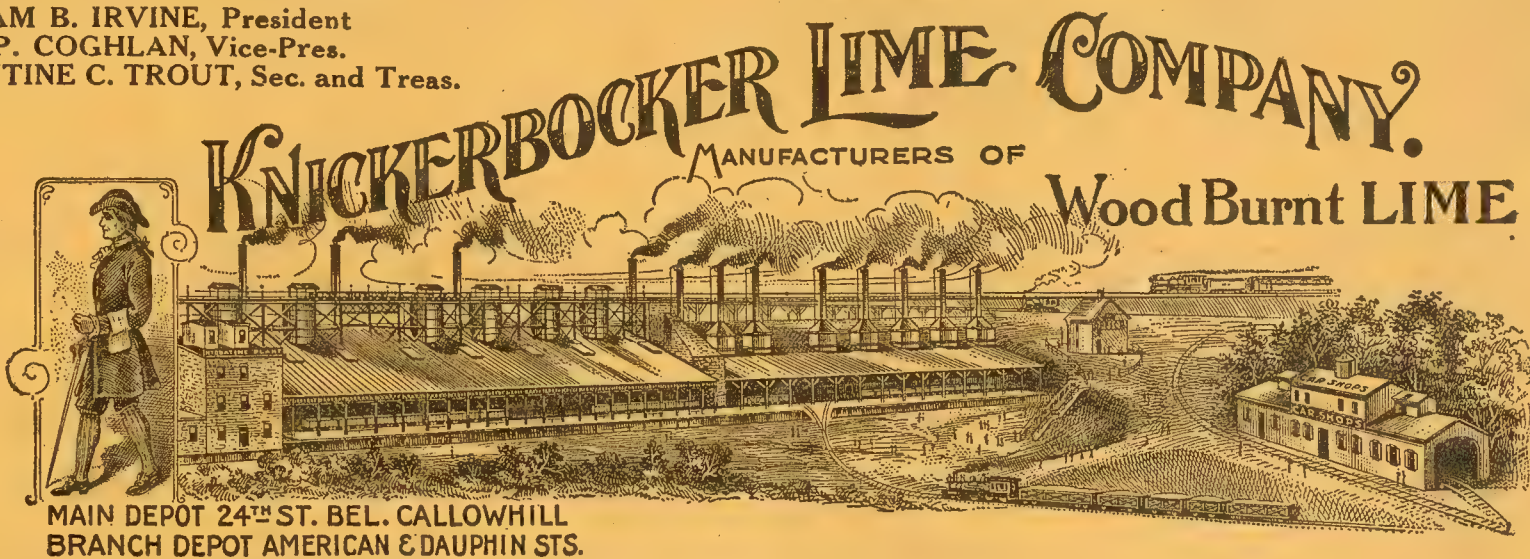
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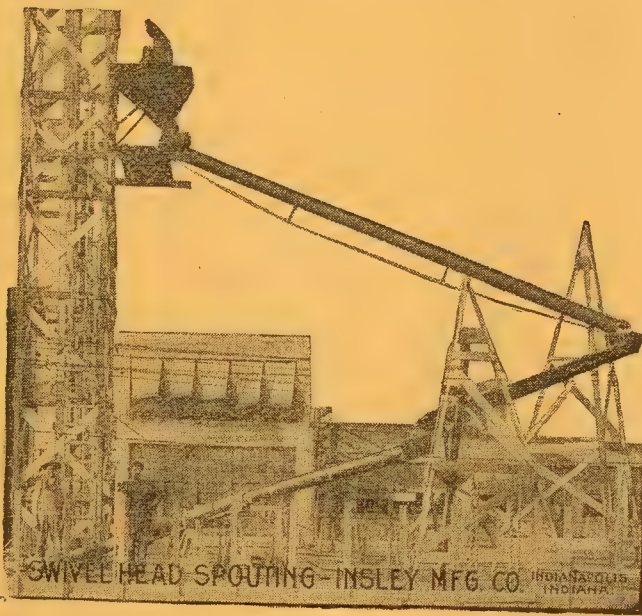
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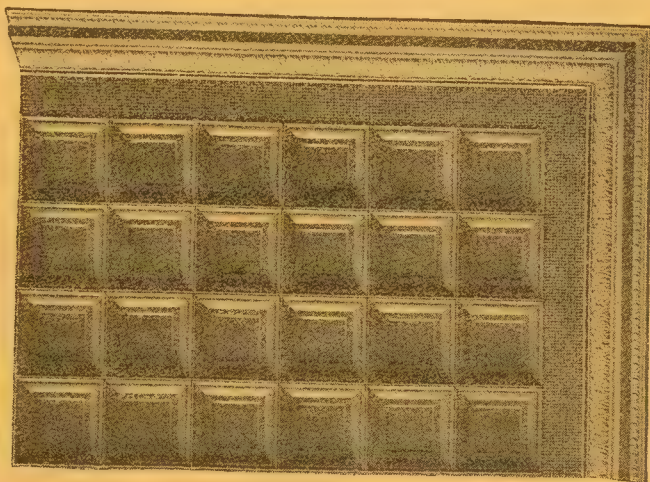
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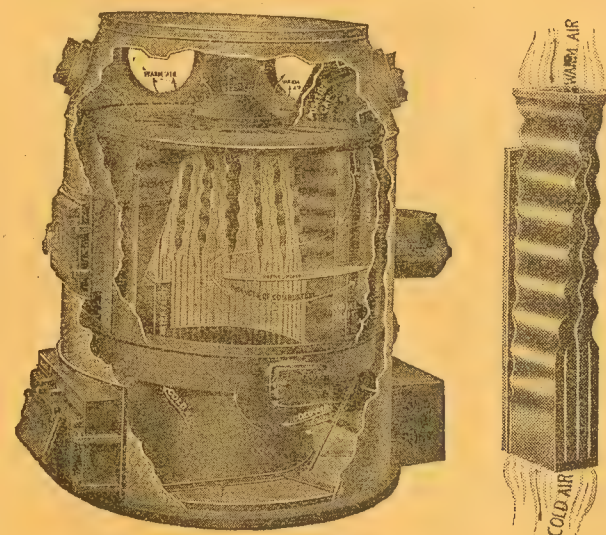
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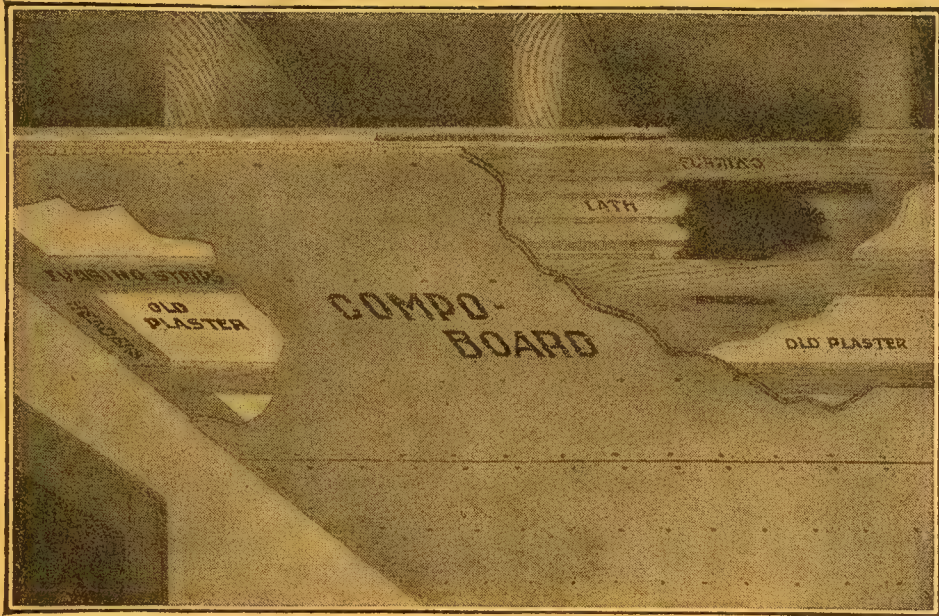
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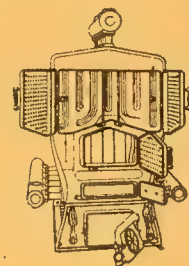
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PHILADELPHIA, WEDNESDAY, JULY 24, 1912.

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## Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Y. M. C. A.**, 1007 to 1013 Lehigh avenue. \$250,000. Architect, Horace Trumbauer, Land Title Building. Owner, Kensington Branch Y. M. C. A. Brick, terra, cotta and steel, four stories, 100x200 feet, slag roof (heating, plumbing and electrical work, reserved). Architect taking bids due July 25. The following are figuring: Abel Bottoms' Sons Company, 41 South Fifteenth street; B. Ketcham's Sons, 1029 Brown street; Charles McCaul Company, Tenth and Sansom streets; Thomas Reilly, 1616 Thompson street; Roydhouse-Arey Company, Fidelity Building; A. R. Raff, 1635 Thompson street; John R. Wiggins & Co., Heed Building; Geo. F. Payne & Co., 401 South Juniper street; J. E. & A. L. Pennock, Land Title Building; H. H. Welmeyer, 1004 Lehigh avenue; F. L. Hoover & Sons, Builders' Exchange; Doak & Co., Crozer Building.

**Factory (add.)**, 114 to 120 North Fifth street. Architect, Carl P. Berger, 1418 South Penn Square. Owners, C. F. Rumpp & Sons, Fifth and Cherry streets. Brick, terra cotta and concrete, seven stories, 50x57 feet, tile and slag roof (heating and electric work reserved). Architect taking bids due July 26. The following are figuring: Cramp & Co., Denckla Building; Doyle & Co., 1519 Sansom street; Irwin & Leighton, Twelfth and Cherry streets; B. Ketcham's Sons, 1029 Brown street; A. R. Raff, 1635 Thompson street; Wilailm Steele & Sons Co., 1600 Arch street; Thomas M. Seeds, 1207 Race street; J. E. & A. L. Pennock, Land Title Building.

**Residence**, Washington, D. C. Architect, Frederick Webber, Morris Building, Philadelphia. Owner, F. K. Lane, Washington, D. C. Brick, three stories, 37x67 feet, slate and slag roof, electric light, hot water heat, hardwood floors. Architect taking bids due July 20. The following are figuring: A. Whitehead, 1624 Latimer street, Philadelphia; Standard Construction Company, Drexel Building, Philadelphia; Lipscon & Co., Washington, D. C.; J. Nolan, Washington, D. C.; Charles Langley, Washington, D. C.

**Infirmery**, Bryn Mawr, Pa. Architects, Day Brothers & Klauder, 925 Chestnut street. Owners, Bryn Mawr College, on premises. Plaster, three stories, 86x90 feet, canvas roof (electric light, steam heat and plumbing, reserved by owners). Owners taking bids due July 19. The following are figuring: H. H. Burrell, 1204 Chancellor street; Wm. R. Dougherty, 1608 Sansom street.

**Cottage**, Cape May, N. J., \$7,000. Architects, Zantsinger, Borie & Medary, northeast corner Fifteenth and Walnut street. Owner, W. J. Sewell, Jr., St. Martins, Pa. Frame, two and one-half stories, 35x53 feet; wing, 17x30 feet. Asbestos shingle roof, electric lighting. Architect taking bids, due August 1st. The following are figuring: William R. Dougherty, 1610 Sansom street; J. Sims Wilson Company, 1125 Brown street; George S. Roth & Son, 230 East Graver's lane, Chestnut Hill; W. L. Cummings & Son, West Cape May, N. J.; Sherman S. Sharp, Cape May, N. J.

**Power House and Switch House**, Atlanta, Ga. Engineer, Charles O. Lenz, 71 Broadway, New York City. Owners, Georgia Railway and Power Company, Atlanta, Ga. Brick, concrete and steel, fireproof, one and two stories, 60x191 feet and 84x48 feet. Cement tile roofs, electric lighting. Engineer taking bids. James G. Doak & Co., Crozer Building, are figuring.

**Office Building**, Atlanta, Ga. Architect, J. E. R. Carpenter, New York City. Owners, Atlanta Realty Corporation, Atlanta, Ga. Brick, limestone, terra cotta, granite, fireproof, 15 stories, 121x145 feet, slag roof, electric light, steam heat, elevators, maple floors. Architect taking bids, due August 1st. J. E. & A. L. Pennock, Land Title Building, are figuring.

**Hall**, Reading, Pa. Architects, Stetler & Mengel, Wyomissing, Pa. Owners, Odd Fellows' Hall Association, Reading, Pa. Granite, terra cotta, brick, three stories, 78x57 feet. Slag roof, electric light, steam heat, (elevators reserved). Architects taking bids. Irwin & Leighton, 126 North Twelfth street, and Metzger & Wells, Heed Building, are figuring.

**Loft Building (alt. and add.)**, 721 to 729 Arch street. Architects, Penckert & Wunder, 810 Chestnut street. Owners, Morris & Max Apt., 721 Arch street. Brick, terra cotta and steel, six and seven stories, 80x140 feet, slag roof, steam heating, electric lighting. Architect taking bids due July 30. The following are figuring: Doak & Co., Crozer Building; Wm. Steele & Sons Co., 1600 Arch street; H. C. Rea Company, 1027 Wood street; Wm. R. Dougherty, 1608 Sansom street; Haibach Construction Company, Twenty-sixth and Thompson streets; Roydhouse-Arey Company, idFidelity Building.

**Residence**, St. Davids, Pa. \$100,000. Architects, D. K. Boyd, northeast corner Fifteenth and Walnut streets. Owner, Charles S. Walton, Third and Vine streets. Stone, two and

one-half stories, 125x60 feet, tile roof, electric lighting, hardwood floors, atmospheric heat. Architect taking bids due July 29. The following are figuring: Metzger & Wells, Heed Building; A. L. Fretz & Son, 1222 Chancellor street; George & Borst, 277 South Eleventh street; H. H. Burrell, 1204 Chancellor street; E. J. Hedden, 14 South Broad street; M. W. Young, Overbrook, Phila.; J. D. Lengle, Wayne, Pa.; Wm. R. Dougherty, 1602 Sansom street.

**Saloon (alt. and add.)**, 1802 Market street. \$7,500. Architect, H. E. De Hoff, 48 South Sixty-first street. Owner, Edward Flood, on premises. Brick, three stories. Consists of general alterations and addition. Architect taking bids due July 24th. The following are figuring: A. Whitehead, 1624 Latimer street; Smith Hardican Company, 1606 Cherry street; P. J. Gaffney & Co., 130 North Twelfth street; J. F. McCloskey, 210 New street.

**Hotel**, Hazelton, Pa. Architect, H. E. De Hoff, 48 South Sixty-first street. Owner, Majestic Hotel, Hazelton, Pa. Brick, three stories, 40x70 feet, composition roof, electric lighting, steam heating. Plans in progress. Architect will take bids in about ten days.

**Rectory**, Moorestown, N. J. Architects, Ballinger & Perrot, 1211 Arch street. Owners, Our Lady of Good Counsel, on premises. Stone and brick, three stories, 429x56 feet, slate roof, hot water heat, electric light. Architects have received bids.

**Water Station**, Valley Forge, Pa. Architects, Stewardson & Page, 420 Walnut street. Owners, Valley Forge Park Company. Stone, and frame, one story, 30x57 feet, shingle roof, two toilet rooms. Revised plans in progress.

**Residence**, Merion, Pa. Architects, Heacock & Hokanson, Bailey Building. Owner, Samuel W. Haines, 1023 Filbert street. Brick and plaster, two and one-half stories, 35x70 feet, tin and shingle roof, hot water heating, electric lighting. Architect has received bids.

**Residence (alt. and add.)**, 3837 Baring street. Architect, A. B. Lacey, 1012 Walnut street. Owner, B. V. Piard, Fortieth and Market streets. Brick and plaster, three stories, tin roof. Architect has received bids.

**Store Building**, Thirteenth and Vine streets. Architect, Sauer & Hahn, 1112 Chestnut street. Owner, Harry Weinrich. Brick, two stories, 33x85 feet, electric light, slag roof (heat, reserved). Architect taking bids due July 25. The following are figuring: J. W. Emery, 1524 Sansom street; Smith Hardican Company,



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1606 Cherry street; Lam Building Company, 1001 Wood street; Thomas Little & Sons, 1615 Sansom street; Harry Gill, Jr., 2200 Germantown avenue; J. Sims Wilson, 1125 Brown street; H. F. Graw Company, 1709 Sansom street; A. Raymond Raff, 1635 Thompson street; J. F. McCloskey, 210 New street.

**Residence**, Wilkes-Barre, Pa. \$25,000. Architect, H. B. Emery, Wilkes-Barre, Pa. Owners, Thomas H. Price, Wilkes-Barre, Pa. Brick and shingle, three stories, 34x45 feet, slate roof, electric light, hardwood floors, steam heat. Architect has received bids.

**Residence**, Glenside, Pa. Architect, J. M. Emerick, 1433 Chestnut street. Owner, F. Howard Bell, 901 South Forty-eighth street. Stone, two and one-half stories, 35x42 feet, slate roof, electric light, hot water heat. Architect has received bids.

**Hospital (add.)**, Susquehanna avenue and Howard street. Architects, Watson & Huckel, 1211 Walnut street. Owners, Kensington Hospital for Women, on premises. Brick, concrete, fireproof, four stories, 30x87 feet, electric light, steam heat, slate roof. Revised plans in progress.

**Residence and Store (alt. and add.)**, 341 South Fifth street. Architects, B. J. Medoff & Sons, 524 Walnut street. Owner, Moses Weinberg, 501 Pine street. Brick, three stories, slag roof, electric light, vapor vacuum heat. Architects are taking bids.

**Garage (alt. and add.)**, Bellsville and Germantown avenue. Architect, Charles Barton Keen, Bailey Building. Owner, Miss Mary E. Hebard, Chestnut Hill, Philadelphia. Stone, concrete floors, two stories. Architect taking bids due July 22. The following are figuring: Thomas M. Seeds, 1207 Race street; Wm. J. Gruhler Company, 219 E. High street; M. S. Oberholtzer, 5524 Pulaski avenue; Joseph Seka, 14 Highland avenue, Philadelphia.

**Power House and Coal Pockets**, Camden, N. J. \$20,000. Engineer, A. F. Knipe, 1737 Filbert street. Owner, American Dredging Company, Mariner & Merchants' Building. Brick and reinforced concrete, one story, 50x75 feet, slag roof. Engineer is taking sub-bids.

**Residence**, Mt. Airy, Pa. Architects, Harris & Richards, Drexel Building. Owner, William H. Hensel, 7206 Boyer street. Stone, limestone trimmings, three stories, 32x76 feet, hardwood floors, hot water heat, electric light, tile roof, four baths. Architects taking bids, due August 1st. The following are figuring: F. B. Davis, 35 South Seventeenth street; George & Borst, 277 South Eleventh street; H. H. Burrell, 1204 Chancellor street; F. L. Hoover, Builders' Exchange; J. E. Walt, 204

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**Residence (alt. and add.)**, Twentieth and Cherry streets. Architects, Wilson Eyre & McIlvaine, 1003 Spruce street. Owner, Chas. Grafly, Twenty-second and Arch streets. Brick, three stories, slag roof, electric light, hot air heat. Architects taking bids, due July 27th. The following are figuring: F. L. Hoover, Builders' Exchange; George & Borst, 277 South Eleventh street; A. Whitehead, 1624 Latimer street; J. Duncan, 920 Walnut street.

**Museum**, Fortieth and Spruce streets. Architect, J. T. Windrim, Twelfth and Chestnut streets. Owners, Thomas W. Evans Memorial, University of Pennsylvania. Brick and limestone, fireproof, three stories, 242x161 feet. Electric light, slate roof, elevators, steam heat, enamel brick. Architect taking bids, due August 6th. The following are figuring: Pomeroy Construction Company, 1609 Ransstead street; J. A. Wiggins, Heed Building; J. Myers & Sons, Witherspoon Building; Chas. McCaul Company, Tenth and Sansom streets; Doak & Co., Crozer Building.

**Residence**, Brielle, N. J. Architect, Bart Tourison, Land Title Building. Owner, Marion Schroder, Jersey City, N. J. Frame, two and one-half stories, 78x32 feet. Shingle roof, electric light, hot water heat, hardwood floors. Plans completed. Owner will take bids.

**Residences (2)**, Bryn Mawr, Pa. Architects, De Forest & Soule, New York City. Supervising architect, H. C. Wise, 34 South Sixteenth street. Owner, Bryn Mawr College,

on premises. Shingle, three stories, 31x31 feet. Shingle slag roof, electric light, hot water heat, four baths. Architects taking bids, due July 27th. The following are figuring: H. H. Burrell, 1204 Chancellor street; William R. Dougherty, 1608 Sansom street; Frank N. Goble, No. 1 East Forty-second street, New York City.

**Residence**, Overbrook, Pa. Architects, Shore & Dodge, 608 Chestnut street. Owner, Mrs. James P. Martin, Overbrook, Pa. Brick and marble, two stories, 51x53 feet. Shingle roof, electric light. Architects taking bids, due August 1st. The following are figuring: Metzger & Wells, Heed Building; Doyle & Co., 1519 Sansom street; Gray Brothers, Rosemont, Pa.; T. C. Trafford, 1613 Sansom street; Alfred James, Overbrook, Pa.; J. B. Flounders, 1329 Arch street; A. L. Fretz & Son, 1222 Chancellor street.

**Apartment House**, Forty-fifth and Larchwood avenue. Architect, private plans. Owner, George M. Bricker, Forty-sixth and Walnut streets. Brick, three stories, 30x102 feet. Slag roof, steam heat, electric light. Owner will take sub-bids.

**School**, Crum Lynne, Pa. Architects, S. & P. A. Davis, 1715 Sansom street. Owners, Board of Education. Brick, two stories, 66x34 feet. Slate roof, hot air heat, electric light. Architects taking bids, due July 29th. The complete list of bidders is as follows: P. J. Hurley, 1233 Cherry street; John Maag, Woodlyn, Pa.; Allison Taney, Woodlyn, Pa.; H. Lewis, Chester, Pa.; Nolan Brothers, Chester, Pa.; P. W. Grover, Morton, Pa.; J. Buchanan, Ridley Park, Pa.

## Contracts Awarded

**Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.**

**Alt. and add. to Residence for Apartments**, 2106 North Seventeenth street. Architect, Frank Seeburger, Pennsylvania Building. Owner, Mrs. C. W. Sherr, care of J. Stafford, 1112 Chestnut street. Brick, three stories. Contract awarded to E. H. Sturts, 2614 Ridge avenue.

**Factory (3 Buildings)**, Camden, N. J. Architect, Spencer Roberts, 1524 Chestnut street. Owners, Felton Sibley Varnish Company, Camden, N. J. Brick, one and two stories, steam heat, electric light, slag and metal roof. Contract awarded to William R. Dougherty, 1608 Sansom street.

**School**, East Lansdowne, Pa. Architect, W. W. Cochran, East Lansdowne, Pa. Owners, Board of Education of East Lansdowne, Pa. Stone, two stories, shingle roof, electric light, steam heat. Contract awarded to James F. Ingram, Lansdowne, Pa.

**Building No. 4**, Glenwood avenue and Eighteenth street. \$250,000. Architects and engineers, Averell & Adams, Washington, D. C. Owners, Hale & Kilburn Co., Eighteenth and Lehigh avenue. Brick and concrete, four stories, 40x279 feet, slag roof, electric lighting. Contract awarded to Geo. A. Fuller Construction Company, Morris Building.

**Garage**, 2331 North Sydenham street. Architect, Otton Herold, 2536 North Thirty-third street. Owner, J. H. Walker, Fifteenth and Dauphin streets. Brick, one story, 35x84 feet, slag roof (electric light, hot water heat, reserved). Contract awarded to E. C. Durell, 1713 North Twenty-fourth street.

**Y. M. C. A. Building**, Fifty-second and Sansom streets. \$200,000. Architect, Horace Trumbauer, Land Title Building. Owner, West Philadelphia Branch Y. M. C. A. Brick, granite, terra cotta and steel, fireproof, four stories, 102x190 feet, slag roof (plumbing and heating, reserved). Contract awarded to Abel Bottoms & Sons Company, 41 South Fifteenth street.

**Church**, Darby, Pa. \$9,000. Architects, Geo. Nattress & Son, Twelfth and Walnut streets. Owners, Darby P. E. Church, Darby, Pa. Stone, one and one-half stories, 89x30 feet, slate roof, electric light, steam heat. Contract awarded to Worrell & Waters, Rosemont, Pa.

**Residence**, Clifton Heights, Pa. Architects, Bailey & Bassett, 1112 Chestnut street. Owner, Miss M. Mayer, care of architect. Frame, two and one-half stories, 36x43 feet, shingle





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roof, hot water heat, electric light. Contract awarded to T. F. Manley, Clifton Heights, Pa.

**Factory (add.),** Lester, Pa. Architects, Ballinger & Perrot, 1211 Arch street. Owners, Lester Piano Company, on premises. Brick, one story, 28x36 feet, electric light, slag roof. Contract awarded to P. J. Hurley, 1233 Cherry street.

**Alt. and Add. for Store and Apartments,** Fifty-fourth and Pine streets. \$1,600. Architects, Private plans. Owner, Charles Stofin, Fifty-fourth and Pine streets. Brick, two stories, electric light, steam heat. Contract awarded to J. D. Fisher, 5718 Market street.

**Warehouse (add.),** Wheatsheaf lane and Gaul street. \$8,000. Architects, Ballinger & Perrot, 1211 Arch street. Owners, F. W. Tunnel & Co., 15 North Fifth street. Brick, one story, slag roof. Contract awarded to A. Whitehead, 1624 Latimer street.

**Boiler House,** Allegheny avenue and Miller street. Architects, Ballinger & Perrot, 1211 Arch street. Owner, Church of the Nativity, on premises. Brick, one story, 30x46 feet, copper roof. Contract awarded to W. J. McShane, 417 South Thirteenth street.

**Residences (12),** Allen lane, Germantown. Architects, Duhring, Okie & Zeighler, Bailey Building. Owner, Dr. Geo. Woodward, North American Building. Stone, three stories, 44x74, shingle roof (heat, light and plumbing, reserved). Contract awarded to F. Elvidge & Sons, 5522 Germantown avenue.

**Stores and Residences,** Broad and Fitzwater streets. Architects, B. J. Medoff & Sons, 524 Walnut street. Owner, Dr. S. W. M. Field, Broad and Bainbridge streets. Brick, three stories, 20x125 feet, electric light, hot water heat, slag roof. Contract awarded to W. L. Cohen, 417 Christian street.

**Moving Picture Theatre,** 333 Market street.

Architect, W. H. Hoffman, Mint Arcade Building. Owner, name withheld. Brick and terra cotta, one story, slag roof, electric light, steam heat. Contract awarded to Lam Building Company, 1001 Wood street.

**Store (alt. and add.),** 1229 Market street. \$3,600. Architects, Stearns & Castor, Stephen Girard Building. Owner, Walk Over Shoe Company, 1022 Chestnut street. Brick and metal, two stories, steam heat, electric light, hardwood floors. Contract awarded to H. E. Baton, Tenth and Sansom streets.

**Factory,** Blue Ball, Pa. Architects, Helper Engineering & Construction Co., Real Estate Trust Building. Owner, General Refractories Company, Blue Ball, Pa. Steel, brick and galvanized iron, one story, 73x45 feet. Contract awarded to Stacey Reeves & Son, 1609 Filbert street.

**Warehouse,** New York City. Architect, M. A. Long, Baltimore, Md. Owners, Baltimore and Ohio Railroad Company, Baltimore, Md. Brick, steel and concrete, nine stories, 67x362 feet, steam heat, electric light, slag roof. Contract awarded to Turner Construction Company, New York City.

**Coal Trestle,** Fourth and Allegheny avenue. Architect, W. Hunter, Reading Terminal. Owners, Philadelphia and Reading Railroad Company. Steel, concrete and wood. Contract awarded to Brown-King Construction Company, Harrison Building.

**Residence,** Sixty-fourth and Church road. \$18,000. Architect, private plans. Owner, James H. Billington, 113 Chestnut street. Brick, three stories, 53x57 feet. Contract awarded to Milton W. Young, Overbrook, Pa.

**School (completion),** Ambler, Pa. Architects, Schermerhorn & Phillips, 430 Walnut street. Owners, Upper Dublin Township

stories. Contract awarded to J. B. Flounders, 1329 Arch street.

**Office Building,** Reading, Pa. Architect, private plans. Owner, Pennsylvania Railroad Company, Room 360, Broad Street Station. Brick and stone, three stories, 45x90 feet, electric light, steam heat, slag roof. Contract awarded to Beard Construction Company, Colonial Trust Building, Reading, Pa.

**Hospital (alt. and add.),** Tenth and Walnut streets. Architect, J. T. Windrim, Commonwealth Building. Owners, Jefferson Hospital, on premises. Brick, steel, fireproof, painting, glazing, hardware, electric light. Contract awarded to Pomeroy Construction Company, 1609 Ranstead street.

**Apartment House,** Haverford, Pa. Architects, McIlvain & Roberts, Land Title Building. Owners, McIlvain & Co., Land Title Building. Stone, three stories (8 apartments), tile roof, electric light, steam heat, hardwood

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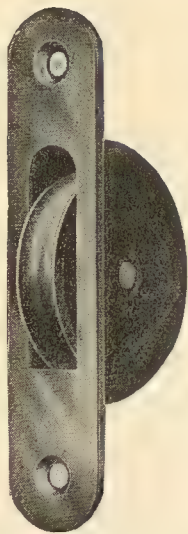
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floors. Contract awarded to Metzger & Wells, Heed Building, who will take sub-bids in about two weeks.

**Residence** (alt. and add.), Haverford, Pa. Architects, Bissell & Sinkler, Bailey Building. Owner, E. C. Poultney, Haverford, Pa. Stone and timber, two and one-half stories. Contract awarded to M. Hatch, Bryn Maws, Pa.

**Parish House**, Torresdale, Pa., \$15,000. Architects, Bissell & Sinkler, Bailey Building. Owners, All Saints' Episcopal Church, Torresdale. Stone, two and one-half stories, 76x45 feet. Slate roof. Contract awarded to N. K. Freas, Andalusia, Pa.

**Residence and Store**, 821 Columbia avenue, \$3,600. Architect, private plans. Owner, Louis C. Seifert, 811 Columbia avenue. Brick, three stories, 16x58 feet. Slag roof (heat and light reserved). Contract awarded to E. J. Kreitzburg, 1345 Arch street.

**Residence** (alt. and add.), Ardmore, Pa., \$5,000. Architects, Bissell & Sinkler, Bailey Building. Owner, James M. Rhodes, Ardmore, Pa. Stone and frame, two and one-half stories, shingle roof. Contract awarded to McConaghy Brothers, Ardmore, Pa.

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J. M. Horner (O), Bryn Mawr, Pa. E. I. Shuttleworth (C), 3054 Kensington avenue. Cost, \$900. Store and dwelling, 3056 Kensington avenue. Cost, \$3,600. Store and dwelling, 3043-83 Kensington avenue.

Gates Home Made Candy Company (O), Howard and Norris streets. H. P. Schneider (C), York road and Erie avenue. Cost, \$500. Storage house.

A. Scholler (O), 3301 Amber street. Barnes Bros. (C), 1449 Loudon street. Cost, \$1,900. Manufacturing building, 2107 East Westmoreland street.

Miss M. Keating (O), 310 South Sixteenth street. R. J. Rodgers (C), 2208 Lombard street. Cost, \$1,600. Residence.

Davis Pennock (O), 5221 Webster street. Cost, \$6,600. Two dwellings, brick, two stories. Cost, \$51,000. Seventeen dwellings. Fifty-fourth and Springfield avenue.

J. H. Billington (O), 3612 Chestnut street. Milton W. Young (C), Overbrook, Pa. Cost, \$18,000. Dwelling, stone, three stories, 35x53 feet, Sixty-fourth and Church road.

Jos. Elisio (O), 5724 Vine street. Cost, \$2,000. Store and dwelling, brick, two stories, 13x26 feet, 5743 Vine street. Cost, \$1,500. One dwelling.

A. B. & C. F. Millett (O), Twelfth and Ruscomb streets. Cost, \$52,800. Sixteen dwellings, brick, two stories, 16x52 feet, 5025 to 39 and 24 to 38 Marvine street.

M. Yackwitz (O), 1202 North Seventh street. Cost, \$5,000. Two dwellings, brick, three stories, 14x34 feet, 147 to 49 Poplar street.

Louis Appelbaum (O), Fifth and Greenwich streets. A. Shestack (C), 428 Dickinson street. Cost, \$14,500. Hall, brick, two stories, 32x130 feet, 410 Wharton street.

Henry Fesney (O), 5307 North Front street. Charles Stott (C), Second and Fishers Lane. Cost, \$19,200. Twelve dwellings, brick, two stories, 14x48 feet, Palethorp and Loudon streets.

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Louis Beaming (O), 4933 North Fifth street. Cost, \$5,500. Two residences, brick, two stories, 16x56 feet, 4929-31 North Fifth street.

Thos. B. Homer (O), East Washington Lane. W. J. Gruhler (C), 219 High street. Cost, \$3,000. One garage, one story, stone, 36x23 feet. Cost, \$17,000. Residence, stone, three stories, 22x44 feet, Germantown, Pa.

H. E. Jordan (O), 911 Franklin Bank Building. Cost, \$9,000. Six dwellings, brick, two stories, 14x38 feet, Eighty-second and Tinicum avenue.

James McCrea (O), 1313 Arch street. John J. McCrea (C), 1313 Arch street. Cost, \$100,000. Theatre, brick, four stories, 90x121 feet, Broad and Snyder avenue.

Rosanna Felix (O), 3165 Gaul street. Ed. Doyle (C), 1311 Butler street. Cost, \$2,400. Two dwellings, brick, two stories, 14x24 feet. Chatham and Clearfield streets.

Dr. Geo. Woodward (O), North American Building. F. Elvidge & Son, 5522 Germantown avenue. Cost, \$9,600. Four dwellings, stone, three stories, 39x36 feet, Lincoln drive and Mt. Airy avenue.

Smith Craighead (O), 3018 West Susquehanna avenue. Cost, \$12,000. Six dwellings, brick, two stories, 15x29 feet, Fifteenth and Rockland streets.

Daniel Ceinnie (O), 135 Walnut lane. E. L. Cuthbertson (C), 334 Roxborough avenue. Cost, \$7,200. One dwelling, stone, three stories, 28x37 feet, Roxborough avenue and Lanston street.

F. Krauter (O), 1835 North Ninth street. S. B. MacDowell & Sons (C), 1927 Montgomery avenue. Cost, \$9,200. Two dwellings, brick, two stories, 14x28 feet, 1837 and 1839 North Ninth street.

Benjamin Wedmaier (O), 1615 Stiles street. H. E. Seveger (C), 4463 North Seventeenth street. Cost, \$9,000. Three dwellings, brick, two stories, 19x39 feet. Cost, \$3,000. One dwelling, Ruscomb and Warnock streets.

John Sherman (O), 915 Snyder avenue. Cost, \$5,000. Two dwellings, brick, two stories, 16x60 feet, 4938 and 4940 Parkside avenue.

The Ajax Metal Company (O), 46 Richmond street. M. Ward Easby (C), 1420 Chestnut street. Cost, \$15,000. Factory, two stories, 40x34 feet, brick, Orthodox and Delaware avenue.

George Weber (O), Willow Grove, Pa. Koelle Speth Company (C), Twenty-sixth and Oxford streets. Cost, \$4,250. Residence, brick, three stories, 16x30 feet, 2214 East Kirk street.

Wm. J. Jones (O), 2947 North Fifth street. Cost, \$3,400. Two dwellings, brick, two stories, 14x28 feet. Cost, \$1,700. One dwelling, 1555-57 Palmer street.

Jacob May (O), Twentieth and Indiana avenue. Cost, \$1,000. Dwelling, brick, two stories, 14x28 feet, 2022 Toronto street.

Richmond Conlan (O), 4638 Salmon street. S. Pacan (C), 4522 Salmon street. Cost, \$2,250. Dwelling, brick, two stories, 16x42 feet, Salmon and Ash streets.

B. E. Jay (O), Colonial Theatre. F. A. Havens Company (C), 845 North Nineteenth street. Cost, \$35,000. School, brick, three stories, 48x92 feet, 1712-14-16 De Lancey street.



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## Alterations and Additions

Emma L. Kupke (O), 5437 Germantown avenue. F. K. Stahl (C), 2713 North Park avenue. Cost, \$3,400. Store and dwelling, 5437 Germantown avenue.

Charles H. Slofin (O), Fifty-fourth and Pine streets. J. D. Fisher (C), 5718 Market street. Cost, \$1,550. Store and dwelling, Fifty-fourth and Pine streets.

Home of Merciful Saviour (O), Forty-fifth and Baltimore avenue. J. Meyers & Sons (C), Witherspoon Building. Cost, \$1,500. Home.

George W. England (O), Fifth and Locust streets. McLaughlin Bros. (C), 521 St. James street. Cost, \$1,500. Residence and garage. Cost, \$9,000. Residence, 1727 Hayes street.

Frank Schmidt & Bros. (O), 2631 Germantown avenue. J. A. Geisy (C), 2845 North Twelfth street. Cost, \$2,000. Factory, Fishers Lane and Wyoming avenue.

J. H. Walker (O), 2602 Columbia avenue. E. C. Durell (C), 1713 North Twentyfourth street. Cost, \$4,000. Garage, 2331 North Sydenham street.

D. Boydanof (O), 724 Pine street. Sam Schultz (C), 920 East Moyamensing avenue. Cost, \$1,660. Dwelling.

Pearson & Ludarcher (O), Westmoreland street and Delaware River. Ed. Malloy (C), 2316 East Lehigh avenue. Cost, \$7,000. Storage.

Union Fertilizer Company (O), 397 Drexel Building. Cost, \$4,500. Shop, Waccocoe avenue and Delaware River.

Woodville & Co. (O), 110 South Seventeenth street. J. E. Walt (C), East Willow Grove avenue. Cost, \$500. Store and dwelling, 114 South Seventeenth street.

Archbishop E. F. Prendegast (O), Eighteenth and Vine streets. W. J. McShane (C), 417 South Thirteenth street. Cost, \$9,225. Church, Twenty-sixth and Dickinson streets.

Mrs. J. Wistar (O), 1819 Walnut street. J. Borden & Bros. (C), 627 North Nineteenth street. Cost, \$1,600. Dwelling, 1819 Walnut street.

Baldwin Locomotive Works (O), Broad and Spring Garden streets. J. Myers & Sons (C), Witherspoon Building. Cost, \$9,000. Factory, Fifteenth and Spring Garden streets.

Lutheran Publishing Society (O), 1522 Arch street. W. E. Williams (C), 2134 Market street. Cost, \$1,400. Offices.

Robinson & Crawford (O), Nineteenth and Pennsylvania avenue. A. R. Raff (C), 1635 Thompson street. Cost, \$1,200. Offices.

P. Feehan (O), 2111 Bridge street. Cunningham & Bartholomew (C), 4326 Paul street. Cost, \$1,000. Store and dwelling.

George F. Bauer (O), 1415 North Thirty-first street. Philip Haibach Contracting Company (C), Twenty-sixth and Thompson streets.

Cost, \$5,000. Shed, 1415 North Thirty-first street.

O. R. Edwards (O), Hannehman Hospital. MasTavish & Hazzard (C), 1515 Pine street. Cost, \$4,000. Hospital, Broad and Race streets.

Charles Felin & Co. (O), York Road and Pike street. H. Brocklehurst (C), 512 West Norris street. Cost, \$1,000. Office, York road and Pike street.

Selig Presser (O), 1531 Locust street. A. H. Williams & Sons (C), 419 Locust street. Cost, \$1,100. Store.

Charles D. Hackett (O), 1729 North Thirty-third street. George Kessler (C), Drexel Building. Cost, \$1,200. Stable, 422 Callowhill street.

Archbishop E. F. Prendegast (O), Eighteenth and Race streets. J. J. Murphy (C), 4034 Powelton avenue. Cost, \$13,640. Church, Church and Franklin streets.

J. J. Cresham (O), 5114 Spruce street. Frank Yoskin (C), 30 Harley avenue. Cost, \$1,200. Dwelling. Cost, \$800. Dwelling, Fifty-fourth and Spruce streets.

H. B. McKoch (O), 4038 Lancaster avenue. P. H. Clemens (C), William Penn Pa. Cost, \$1,820. Residence.

P. Cammiroto (O), 932 South Tenth street. A. De Marco (C), 1224 Christian street. Cost, \$1,500. Dwelling and store.

Schwartz Wheel Company (O), Margaret and Worth streets. C. West (C), 1034 Herbert street. Cost, \$2,000. Storage.

Walk Over Shoe Company (O), 1022 Chestnut street. H. E. Baton (C), Tenth and Sansom streets. Cost, \$3,000. Store, 1228 Market street.

Westmoreland Chemical Company (O), Twenty-second and Allegheny avenue. R. J. Whiteside & Sons (C), 2115 Wallace streets. Cost, \$1,800. Manufacturing.

Dr. W. S. M. Field (O), Broad and Bainbridge streets. Louis Cohn (C), 417 Christian street. Cost, \$2,200. Store and dwelling, Broad and Fitzwater streets.

M. E. Hospital (O), Broad and Wolf streets. F. E. Wallace (C), 1210 Sansome street. Cost, \$5,700. Hospital, Broad and Wolf streets.

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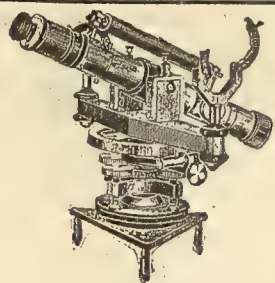
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\*\*A movement is under way to reorganize the Builders' Exchange in Akron, Ohio, and also to organize new exchanges in Massillon and Zanesville. Formerly there was an exchange in Akron and also one in Zanesville, and the plan now is to revive these associations and put them on a successful basis.

\*\*The third International Road Congress will be held in London, June 23 to June 28, next year. The first of these international congresses was at Paris in 1908 and the second in Brussels in 1910. The plan now is to hold them triennially henceforth. There will be two sections: First, on construction and maintenance, with two sub-divisions, (a) on work outside of towns and (b) on work in towns, and the second section will consider traffic and administration, with two divisions, (c) traffic and vehicles and (d) administration, finance and statistics. Leading authorities of the world will contribute to the success of the Congress, which is to be held in England on government invitation under the patronage of King George V. Sir George S. Gibb is the London chairman of the organization committee.

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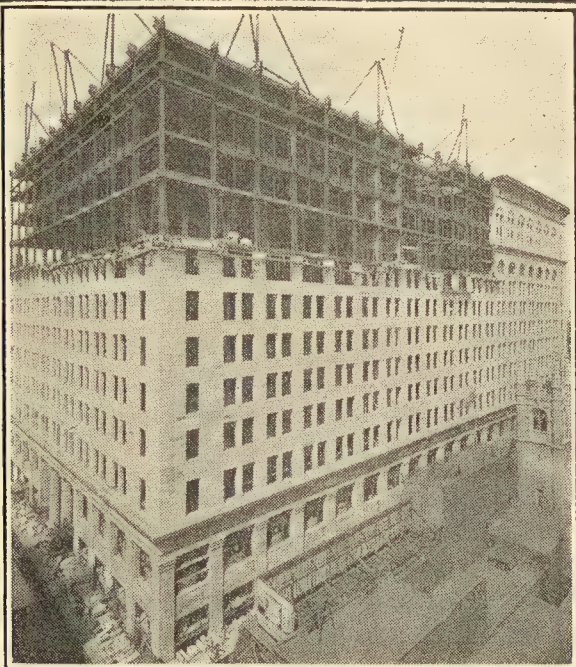
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C. M. Haynes, Newark, N. J., assignor to John O'Neil, New York, N. Y., 1,031,646. Hanging scaffold.

Theodore Emitman, Los Angeles, Cal., 1,031,779. Metal window sash.

L. S. Putman, Stacy, Tex., assignor to M. J. Stacy and C. E. Trott, Stacy, Tex., 1,031,818. Extensible ladder.

George Keyes, Idaho Springs, Colo., 1,031,854. Siding and shingling gage.

F. W. Ricker, Washington, D. C., 1,031,872. Door catch.

G. W. Hansborough, San Francisco, Cal., 1,031,926. Building construction.

A. L. Bush, Worcester, Mass., 1,031,980. Elevator safety catch.

C. E. Martin, Mansfield, O., 1,032,012. Roof for silos or the like.

J. H. Prugh, Toledo, O., assignor to American Floor Surfacing Machine Company, Toledo, Ohio, 1,032,023. Floor surfacing machine.

U. N. Craig, Moline, Ill., 1,032,046. Miter box.

G. H. Forsyth, Chicago, Ill., assignor to Forsyth Brothers Co., Chicago, Ill., 1,032,057. Metal window construction.

A. M. Hillman, Westhoff, Texas, 1,032,062. Window frame attachment.

D. A. Dodge, Haywards, Cal., 1,032,122. Door hanger and track.

Bedford Katusky, Jackson County, Minn., 1,032,143. Window sash.

C. A. Matheson, Duluth, Minn., 1,032,227. Carpenter's gage.

Wallace Butler, Avar, Okla., 1,032,273. Weather strip.

G. E. Seymour, New Albany, Ind., assignor to American Car and Foundry Company, St. Louis, Mo., 1,032,304. Letter drop for doors.

E. W. Anderson, Manistee, Mich., 1,032,355. Floor scraper.

J. R. Harrison, Peoria, Ill., drainage system. No. 1,032,405.

M. D. Morrill, Washington, D. C., sectional mold for concrete wall construction. No. 1,032,419.

Gurney Myers, Lansdale, Pa., carpenter's laying-out tool. No. 1,032,493.

P. G. Emery, Chicago, Ill., sash-lock. No. 1,032,534.

Carl Tacke, Jr., Holmenden, Germany, automatic door closer. No. 1,032,569.

E. K. Brady, New York, N. Y., locking device for doors. No. 1,032,585.

F. J. Gruhl, Milwaukee, Wis., window. No. 1,032,752.

Mano Halasz, Budapest, Austria-Hungary, drop window. No. 1,032,952.

E. R. Shnoble, Chicago, Ill., method of constructing subways. No. 1,032,952.

D. A. Helmich, Birmingham, Ala., assignor to L. E. Terry, Southampton, N. Y., cellular wall for sewage disposal apparatus. No. 1,033,011.

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## Architectural Notes

Accompanying the improvement of recent years in suburban architecture, has been an improvement in gardens—these usually being planned by the same architect and, therefore, suitable to the house in scale and disposition. The sort of architect who really enjoys country-house work is apt to have studied a good deal about gardens; and when he undertakes one, it is likely to be not only suitable to the house but within the owner's ability to maintain. The annual cost of maintaining a garden is often lost sight of in the elaborate schemes of the landscape architect or the ambitious fancies of the owner itself. Often a man who has built a \$15,000 house because he could not afford to keep up a more expensive one, inconsistently dreams of a garden arrangement which, if carried out, would require the hiring of a large force to do it justice. It was this sort of failure to look ahead and see whether the necessary money for maintenance would be forthcoming, that has resulted in so many abandoned gardens in France. They were planned by the school of Le Notre on an elaborate scale which future generations found it impracticable to keep up. Even the most prosperous American home builder might keep in mind that annual maintenance is often a bigger item than initial cost.

\* \* \*

For an all year round residence there is an English idea worth following called the "winter garden." This is nothing more than the cheerful grouping together in some spot visible from the house, of such trees and vines as keep green all winter. On axis with the drawing-room or library might be a path leading to a grove of cedars, pines, laurels and the red-spotted holly which would all be cheerful to look out on when other trees are bare-limbed. Then, aside from shrubs and flowers, there is the beauty that water can impart. It was our own William Dean Howells who wrote, "Water will do almost anything for beauty, even where it is merely a thin stream trickling over a wall." The garden should not be deprived of this attraction merely to save the water tax. Water that is purely ornamental should be as willingly paid for as that consumed in the house. Cascades of a brook may often do as much for a hillside site as many a far more expensive treatment. Another consideration that can help the garden vastly is the design and disposition of the various little structures for practical purposes—tool house, ice-house, out-of-door playhouse or studio, dove-cote, or even the humble fowl-

house. With these permanent accessories designed to suit the house, and the walks and planting well studied and a simple arrangement of flower beds, it does not mean a great deal of expense to keep a garden always in good form.

\* \* \*

For those who wish to give their houses a fresh coat of paint, it may be interesting to know that most architects have generally discarded the so-called "Colonial" effect of yellow ochre with white trimmings, and that, for large houses, plain white lead for the exterior is more and more in favor. There was a time, says a writer in "House Beautiful," when white for country houses was denounced as "glaring" and "vulgar;" but architects, who have no time to spare for sentimentalizing, and who remember the ivy, geraniums and purple clematis trailing over the whitewashed Italian walls, or the passion flowers and roses casting shadows on white French and English villas, know well that no other color adapts itself so well to stately and beautiful rural effects.

For small cottages, especially where they are near the street, and need to be made as unobtrusive as possible, the olive greens once popular among architects have been revived, with great advantage.

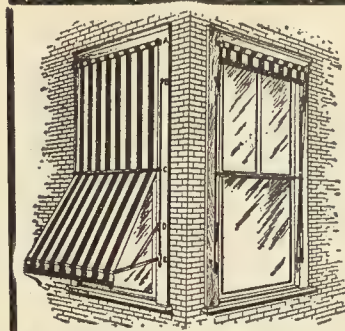
Builders whose attempts to produce soft effects with emerald green or medium chrome have not been crowned with success, do not sympathize with the architects in this matter; but a really good broken green is one of the most charming and lovable colors that can be put on the outside of a small house, well buried in shrubbery. It is hardly necessary to say that red cornices should be avoided.

\* \* \*

Probably the earliest wall paintings are the ancient Egyptian. They employed a temper containing dissolved gum, and their principal pigments were white chalk, a vegetable yellow, ochres, Ethiopian cinnabar, blue powdered glass stained with copper and charcoal black. Their drawing was technically skillful, and, as is the case with the modern decorator, their coloring was purely decorative and their designs fanciful and extravagant.

The walls of Assyrian and Babylonian dwellings were treated in much the same way, and the practice of painting on walls coated with plaster was certainly in vogue in Assyria.

It has been believed also that the Greeks understood true fresco work, apparently on the strength of a phrase occurring in Plutarch,



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"to paint on a wet ground." Vitruvius also speaks of a wet ground and says that colors placed upon a surface so prepared are permanent—which certainly is characteristic of true fresco.

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### THE HEATING OF COUNTRY HOMES.

From the standpoint of comfort, health and economy there is no element of a country home of more importance than its heating plant. Yet this is a feature of house building with which the average owner deals under great disadvantage, which unfortunately are not usually offset by the assistance of the architects and builders who may ordinarily be entrusted to carry out the owner's wishes and ideas in other respects. There are several modern conveniences as, for example, gas, electricity, running water, and sewerage, which are not so readily available in the country as in the city, but in the matter of heating, which should depend only upon the fuel supply, the country house should present no more difficulty than the city dwelling.

With the so-called warm-air furnace, which is frequently selected because of its lower cost, says J. H. Boughton in "Country Life in America," the main considerations are to secure proper capacity and efficiency in the furnace itself; a good chimney draft; an ample intake pipe for the cold air; and last, but not least, conductor pipes to the various rooms of sufficient size to convey readily the heated air from the furnace. Finally, it should be seen that the furnace and the conductor pipes are well insulated with asbestos or similar material to prevent undue loss of heat by radiation.

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you have work to do. And if you haven't any definite work, find it quick, and get at it. —“Cement World.”

### STATE SUPERVISION OF BRIDGES.

In an article in “Engineering News” describing the rapid construction of a small concrete bridge in Illinois, P. E. Green, consulting engineer, takes occasion to refer to the supervision of highway bridges, and makes the following suggestions:

All country highway bridges should be built under the supervision of a state engineer, having full authority and ample powers by law. One reason for this is that the consulting engineer has little authority when employed by the township. In fact, the contractor often ignores him and deals directly with the highway commissioners. Under the present system an engineer is rarely employed for anything except to make the plans, and very meagre plans are desired.

Almost always, under the present system, both contractor and engineer are forced to be politicians, and much of the work is actually the result of promotion by the contractor.

Most highway commissioners have little conception of an engineer or his duties, and if they employ one it is as likely as not to be the contractor who is bidding on the work.

The contractor, as a rule, is much superior, mentally, to the men under whom he works.

Under the present system, in Illinois at least, competition is practically strangled.

Only a strong central authority can hope to cope with such a situation.

The supervision of the state should only apply to the country districts, and not to incorporated cities and towns.

### SKYSCRAPERS.

In an article in the Magazine Section of the New York “Times” of Sunday, June 16, Mr. Alfred Ludwig makes the remarkable prophecy that we shall have a skyscraper disaster which will stagger humanity, and in this idea the “Journal” wholly concurs; and if such a calamity ever should come, it will be because of the fundamentally wrong construction of the elevator service. So long as elevators run in unprotected shafts, as they do at the present time, just so long will danger be imminent. It makes no difference whether a building is trimmed with wood or whether it is trimmed with steel, there is in every office building furniture and other combustible material which will make smoke. Smoke in a building with unprotected elevator shafts will rush up the shafts and spread through the building, and spreading through the building will create panic, and wherever there is panic there is great danger, and wherever a panic is acute, there is great loss of life. Put people enough in a ten-acre lot and create a panic, and many lives will be lost. House them in a building fifty stories high or more and then what will happen?

We judge from the article in the “Times” that Mr. Ludwig realizes as much as we do the great danger from the elevator shaft. But after all is said and done, it is the law that is at fault. Our building laws are extremely inefficient and loosely drawn, and not until they are radically changed can we expect to be free from the danger as predicted, and the most important change of all which is required is in the elevator shaft. When buildings have to run each elevator in its own shaft, and when these shafts do not communicate with one another or with any floor except by opening the door, then the danger will be greatly reduced, but just so long as elevators are constructed under present plans, with large open shafts and all the elevators practically running in one or two shafts, the danger will be aggravated all the time, and it makes no difference how otherwise fireproof the construction may be, the danger cannot be eliminated. —“Lumber Trade Journal.”

### FIREPROOF PAINT.

Mix together 4 pounds asbestos powder, 1 pound aluminate of soda and 1 pound lime. Stir in 3 quarts silicate of soda. Tint the mixture with any desired coloring (mineral preferred); then reduce with water to the proper consistency for application.

The trouble with some advertising is that it is like the conversation of certain people—it never says anything.—“Novelty News.”



## BEAUTIES OF ARCHITECTURE

### Some Suggestions Intended to Interest Beginners in the History of This Historic and Delightful Art

By W. S. LLOYD

Editor of "Ohio Architect, Engineer and Builder"

I would like for many reasons to try to interest readers of this magazine and, indeed, all men, in the study, or at least the subject, of architecture.

And I do not mean to attempt this at all in a technical sense, in the sense that I would like to make architects of all or any of you. Indeed I know that I have not the power to instruct the youngest designer perhaps in any one of the plans or sketches he has under way.

It would be quite impossible for me to direct that his scale of drawing, or perspective or anything else that is his was in any way technically at fault.

It is not in that sense that I would try to inculcate a love of architecture in the minds or any who may read this.

But to my mind, which has heretofore been somewhat trained to literature, or attuned to music and yet to whose untutored eye the curve of beauty has not been without influence, a most casual observation of architectural design has opened up a new delight which having but vaguely discovered I would still be remiss should I not attempt to draw others to study also.

You see, in fact, architecture is in a manner of speech thrust upon us, whether or no.

We are no longer "dwellers in tents." We are no longer Nomads as our fathers were. We are dwellers in houses, and rows and miles of houses project themselves, upon our vision willy-nilly. There is no escape from them until our tired vision finds momentary respite in some fortuitous vacation season by field or sea or mountain.

Now suppose that instead of being compelled to live and ride between miles of buildings, all our lives, we had been born by some sort of Alice in Wonderland necromancy, amid miles of picture galleries, and that we had no knowledge—as few of us have—of pictures.

Here then, is presented to us from childhood, unlimited miles of gilt framed, oak framed, mahogany framed, canvases, the importance of one over the other we have never been taught to know. And now perhaps at middle age we still are ignorant of the value of a Corot or Diaz, nor can we discern, perhaps, the difference between the true values of a portrait by Gainsborough or a Whistler. Still we are compelled to gaze upon them every moment of our waking hours.

Then comes to us, in this Inferno of colors, some discriminating friend who points out to us the delicate intricacies of technique displayed in the heretofore undiscovered qualities which each painter has imparted to his creation. Now, for instance, he shows us the delicate traceries of a lace cuff or collar, each

thread of which has been delineated by one master and which places the Hallmark of quality upon all his work. He tells us how the presence of Mona Lisa, as Leonardo da Vinci portrayed her, rising so strangely beside the waters beyond her, is expressive, as waters beyond her, is expressive, as Walter Pater puts it, "of what, in the ways of a thousand years, men had come to desire."

This most subtle of critics picks one canvas from the walls of art, which we have hitherto passed by unnoticed, and bids us heed that head upon which "all 'the ends of the world are come,' and the eyelids are a little weary." He compels our unthinking eyes to behold that this portrayal of beauty has been wrought out by a master hand "from within her soul until upon the outward flesh, the deposit, little cell by cell, we see strange thoughts, fantastic reveries and exquisite passions."

Read Walter Pater on Mona Lisa and see what well springs have been opened to one born amid limitless horizons of pictures as we are born amid ever confronting visions of architecture. In self defence then are we not compelled to know a little as to what is good or bad about us, and why?

It is possible perhaps in a feeble way to set forth some of the fundamental precepts whereby the architect has from age to age strived to impart to his creature of brick, or stone, or timber, some expression of beauty as well.

Fundamentally, of course, the architect's design was to provide a place of shelter for man.

But from this purely utilitarian basis it soon became a means of man's expression of all his higher aspirations. It advanced therefore into visual embodiment of the civic, religious and national life of the people—the self-revealing record of his struggle from barbarism to the intricacies of civilization.

It is a fundamental necessity, therefore for us to constantly bear in mind that the minutest portion of architecture has a meaning. There is nothing haphazard about it any more than there is in the exact curvature the painter gave Mona Lisa's lips.

We can trace therefore with historic accuracy the history of the nations of the world in a very conclusive manner from the architecture of these nations, even had we no fuller record. More than that we are able to trace the intimate social life and morals of a nation thereby. From the excavated ruins of Pompeii came the revelation of the moral degradation that invited, if it did not cause, her destruction.

So, too, in the opposite way we have the

testimony of the beauty of Greek life as we view for instance the creation of new and splendid ideals and their inculcation among the masses of the people under the incomparable Pericles. So too can we trace the decadence that followed the demise of the Olympian, as he was called, for there was but one "Golden Age for Greece," yet that sufficed to lay the foundations for the artistic progress of the whole western world.

It isn't strange therefore that the first great transition in Grecian architecture should have followed after the death of Pericles. The Empire had reached its zenith of territorial and political glory under the meteoric career of the youthful Alexander who had conquered the entire middle country of the continent of Asia. As has often happened the conqueror of a more ancient people is oftentimes led captive himself by the arts and sciences of the older nation. So it was that Greece, coming under the influence of the sensuous love of color in the architecture of the East, capitulated and in turn they themselves came to dominate Roman culture.

There is not opportunity to say more than a word as to the important part Rome has played in the development of architecture except perhaps that she paved the way for the evolving of the other great style of architecture, the Gothic. It is important to note, that while the three Greek orders were all transplanted to Roman soil they were each so transformed and changed as to be quite distinguishable from the original, and they are, in fact, generally called Roman Doric, Roman Ionic and Roman Corinthian.

Is it not interesting to note that this great empire which had spread from Britain to Africa, Persia and Assyria, having reached its zenith, its decadence had begun at that greatest of all epoch making events, the birth of Christ in Jerusalem? And is it not remarkable that out of this birth not only were the courses of Empire changed, but a climax in architecture evolved which made the Gothic Cathedral become a creation which the Greek Temple could not equal?

Nor is it strange, then, that Gothic architecture itself took on a different expression as it was utilized by different people, that there were reasons why the vogue for perpendicular Gothic ended in England with the passing of the War of the Roses, in 1485.

Nor is it strange to us that the Tudor style should have followed when Henry VII, the first Tudor king, began to make England "a nation of homes."

The words Tudor Gothic may be set down therefore to stand for domestic ideals and it was born not of France but of England, for in England a man built his house for his family, in France for his mistress.

Does the Tudor arch, as differentiated from the Gothic, not take on a new significance when we remember that it came into being because of its bluntness is the best expression of this spirit which dominated the home loving British people, as a result of the marriage of science and domesticity, in this particular reign.

(Continued on page 490.)



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## Editorial Comment

"The Ohio Architect, Engineer and Builder," one of the most valued of the exchanges that reach "The Guide's" desk, announces a change in management highly important in its bearing upon the future of this most capably edited magazine. The new owners, Mr. W. S. Judson and Mr. Eugene Martineau, purpose to develop the property into a publication fittingly representative of its position as the only magazine of its kind in the Middle West. Mr. Martineau, who takes hold as manager, has been connected with the business department of the "Ohio Architect" for more than fifteen years. Mr. Judson is at the head of the Judson Printing Company, and will assume responsibility for the typographical betterment of the publication along approved and modern lines. We are pleased to note that Mr. W. S. Lloyd, whose intelligent editorial direction of the magazine under its former management has given it a very high place among architectural publications of the first class, is to remain as editor. The "Ohio Architect" without Lloyd, would resemble the play of "Hamlet" with the melancholy prince omitted. We wish our very readable Ohio contemporary every success under its new management. The number of useful architectural publications in the United States is really much smaller than a list of the magazines aspiring to this classification would lead one to infer. Omitting the over-technical prints, which circulate among the highly intellectual few, and the ponderously self-centered, oracular and amusingly supercilious two or three publications whose stock-in-trade is a certain, over-done Tory contemptuousness of everything without a fixed pale of interest, there are not more than a dozen magazines in the country doing anything to make architecture and architectural ideals intelligible to the masses. Of this dozen the "Ohio Architect" is one of the best, hence "The Guide's" felicitations upon its advance to physical improvement promising a wider clientele.

\* \* \*

Out of the campaign waging in every section of the country for a reduction in the terrible total of fire losses there emerges a suggestion which deserves to be passed around. This suggestion is the eminently sensible one that in making alterations in old properties special effort should be put forth to secure the introduction wherever possible, of non-combustible materials. For example, where new floors become necessary these new floors should be of terra cotta, concrete or some other material calculated to lessen the fire hazard. Where new roofs are put on these should be of a type approved by the fire underwriters. New partitions should be of cement, terra cotta or some other material equally retardant, so that in the natural evolution of affairs every alteration will add

something to the ability of the building to resist fire, and thus reduce the risks from this appalling source of national loss.

Buildings altered along these lines not only reduce the risk of fire loss to their immediate owners, but by presenting obstacles to the rapid progress of flame under attack contribute measurably to the safety of surrounding property. It wouldn't be a bad idea to compel by statute, in the congested commercial districts, the use of non-combustible materials in alterations of the kind with a view to correcting the mistakes and deficiencies of earlier construction. Properly observed, such a regulation would lead ultimately to an immense saving in the now astounding total piled up annually in fire wastes.

\* \* \*

After much delay, discussion and diplomacy, the State of Missouri has been prevailed upon to agree to a programme in the matter of its new State Capitol competition based upon the code prescribed by the American Institute and duly approved by that body. Here is a subject for general felicitation. As originally announced, the program for this competition met with the approval of no one outside of the Commissioners in charge, embodying features repugnant and offensive to practitioners of the better class.

A series of conferences ensued, which seem to have had the happy result of straightening out the kinks so that the outlook now favors the entry into the competition of the best architects in the State and the building for Missouri of a Capitol worth while.

Another case eloquently illustrative of the power, influence and importance of that admirable body the American Institute!

\* \* \*

Six of the most extensive brick making concerns in the city of Cleveland got together recently and organized The Cleveland Face Brick Association—the basic idea behind which is the advertising of brick as the best and most economical of building materials. This association has sent out to architects all over the State of Ohio the following communication:

"Cleveland, O., May 14, 1912.

"Dear Sir: As an architect you are interested in the purposes of the Cleveland Face Brick Association, just organized by the undersigned brick dealers.

"The sole object of this organization is to develop the increased use of face brick. The association has undertaken a campaign of advertising to draw attention to the adaptability of brick in the construction of the house, even of the most moderate cost.

"It will call attention to the fireproofness, permanency, cheapness of maintenance, beauty and other undeniable advantages of brick, completely overbalancing the slight difference



in the original cost between that material and wood.

"We feel that there is a degree of satisfaction in having a hand in the building of artistic, dependable residences, that must be shared by the designer, as well as by those who furnish the material. It is our hope that you will see in the aims of this association, something that is in harmony with your own purposes of developing a higher class of architecture, and educating those who build to a standard that makes for greater artistic merit and permanency in our cities and suburbs.

"We expect, during the year, to spend several thousand dollars in this campaign of education, and through this means, impress the public with the manifold advantages in the use of brick.

"We started our campaign Sunday, May 5th, with a quarter page 'ad' in the 'Leader;' last Sunday we had another article, same size, which we would be pleased to have you look for and read.

"There is no element to our undertaking that you are not entitled to know about, and we invite your questions, as we do your co-operation. On our side at least, we feel we are working hand in hand with the worthy architect.

"Very truly yours,

"Robert L. Beck,

"The Cleveland Builders' Supply Co.,

"The Cuyahoga Builders' Supply Co.,

"The Hydraulic Press Brick Co.,

"The Queisser-Bliss Co.,

"The Stowe-Fuller Co."

\* \* \*

Philadelphia would make many Clevelands in size and importance. What are Philadelphia brick men doing to boost the use of brick? If the brick-makers could be made to see the wisdom of getting together here in Philadelphia in a campaign similar to that inaugurated in Cleveland the use of brick would get a boost profitable beyond computation to everybody concerned. But—

\* \* \*

We'd like to write a series of advertisements for a good live brick concern. We think we could make "brick" attractive. Ninety per cent. of the brick advertising we run across is so common-place as to inoculate the reader, did he notice it at all, with a sense of extreme weariness. And here in Philadelphia brick men simply do not advertise. If people want brick, they buy it. If they want something else, no effort whatever is made to show them the advantages of coming back to brick.

And still brick men are heard to marvel at the wonderful growth of cement! There is really nothing of marvel involved. Cement advertises. Brick doesn't. That's all there is to it.

Elbert Hubbard says: "Advertising is the education of the public as to who you are, where you are, and what you have to offer. Not to advertise is to be nominated for membership in the Down-and-Out Club."

## Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

\*\*Atlantic City has been selected by the American Association for Highway Improvement, for the American Road Congress to be held September 30 to October 5. The Congress will be held on Young's Million Dollar Pier, and promises to be one of the greatest exhibitions of road machinery and material and the biggest convention of good roads advocates ever held. The Congress is under the auspices of the American Association for Highway Improvement, the American Automobile Association, and the National Association of Road Material and Machinery Manufacturers. Space may be had upon application to J. E. Pennybacker, Jr., Secretary, American Road Congress, Colorado Building, Washington, D. C. President Taft has accepted the honorary presidency, and has indicated his intention to be present.

\*\*Anything which encourages a broader study of concrete architecture, particularly as applied to home building, is an advantage to the industry as a whole. Some time ago it was announced that the Blaw Steel Centering Company, Pittsburgh, Pa., would give prizes for the best designs for concrete residences to cost no more than \$3,000. Professor A. D. F. Hamlin, of Columbia University, acting as judge, made awards as follows:

E. Parmiter, Room 202, 25 West Forty-second street, New York City, first prize, \$100.00; William C. Lurkey, 144 Winslow avenue, Buffalo, N. Y., second prize, \$75.00; Jack Lehti, Apt. 103, The Eckington, Fourth and T streets, N. E., Washington, D. C., third prize, \$50.00; Grover Lippert, 418 West Doty street, Madison, Wis., Everett H. Crabb, 904 State Life Building, Indianapolis, Ind., and Clyde W. Smith, 3236 Fifth avenue south, Minneapolis, Minn., each receive a fourth prize of \$25.00.

The Blaw Company will soon issue a booklet containing the prize designs and specifications, together with about forty other sets of designs and specifications sent in by contestants.

\*\*On account of its central location in a large and important field for the use of Portland cement, the city of Pittsburgh, Pa., has been selected as the place to hold a national Cement Show late in the present year, along lines similar to those of the great Chicago and New York shows. The Pittsburgh show will be held in Exposition Hall, Pittsburgh, December 12-18, 1912—just a month in advance of the Chicago Cement Show of January 16-23, 1913. It will be under the combined auspices of the Cement Products Exhibition Company, of Chicago, and the National Association of

Cement Users, the latter body holding its eighth annual convention at the same time.

\*\*The United States Civil Service Commission announces examinations on July 29 to secure eligibles from which to make certification to fill vacancies in the position of concrete building designer, and also in the position of steel bridge designer. Applicants should at once apply for Form B. I. A. 2 to the United States Civil Service Commission, Washington, D. C.

\*\*The June building figures collected by "Bradstreet's" from 121 cities of the United States show an increase not only over the corresponding month of 1911, but also over May of this year. The estimated cost of the new constructions for which plans were filed in the cities in question was \$84,023,271 last month, as against \$83,668,036 in May, 1912, and \$78,309,951 in June a year ago.

\*\*The United States League of Building Associations closed its three-day convention at Atlantic City recently, with the election of these officers: President, Charles O'Connor Hennessy, New York; vice-presidents, W. J. Bayersdorfer, Shreveport, La.; Charles E. Clark, Covington, Vt.; Peter Hinkel, Chicago; treasurer, Joseph K. Gamble, Philadelphia; secretary, H. F. Collarius, Cincinnati; assistant secretary, H. W. Pinkham, Quincy, Mass. Milwaukee was selected as the next meeting place.

\*\*A syndicate known as the "Forty East Forty-first Street Company," with offices at 542 Fifth avenue, New York City, Charles M. Warner, president, and C. B. Warner, secretary, in conjunction with Charles Weinberg, 31 West Twenty-third street, contemplate the erection of a new physicians' building at the southwest corner of Madison avenue and Forty-eighth street, in that city, covering a plot 44x100 feet. The structure will be six stories in height, strictly fireproof, and will be devoted exclusively to physicians' offices. No architect has yet been selected and nothing definite has been decided when the project will go ahead.

### RECENT TRADE LITERATURE.

The Keller-Pike Company, 1213 Race street, Philadelphia, is sending out a little booklet entitled "Typical Electric Installations," covering important buildings in which this widely known concern has installed the electrical equipment. The Keller-Pike Company will be glad to furnish copies of this very interesting booklet to parties interested.





**HIS** is the season of the year when people who live in dwellings equipped for Electricity are able to keep reasonably comfortable, while their less fortunate neighbors are unable to obtain refreshing sleep or comfort at meals.

The person who buys or rents a property now-a-days not electrically equipped, deliberately sacrifices opportunities for comfort, convenience and health.



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### BEAUTIES OF ARCHITECTURE.

(Continued from page 487.)

The Tudor Gothic is therefore expressed chiefly in manor houses rather than cathedrals. It speaks of the domestic ideal rather than the ecclesiastical. It is substantial, not flamboyant, rather dignified, and English to the ridge pole. And if all this is true abroad and has always been true, it is strange that we should find history again writing her record in architecture here at home?

Is it strange that the Spaniard has written his name so large in Central America, Mexico and Southern California, or that the prototypes of these Spanish-American monasteries are to be found among the age old temples of the Saracens and Moors?

The plan of the southern colonial thus differs from the New England type and so to-day we are writing our own history for the people who are to follow, not alone in the record of national disputes and civil war, but in the brick and mortar in which we dwell.

Is it not strange therefore that some study of architecture is not included in our school and college curriculum? But even though it is not, is there any reason why we should not all endeavor to learn something of it for ourselves, and if these feeble outlines can stimulate one person to try it, they will have opened up to us new realms of enjoyment which will be worth far more than any trouble we have taken to achieve them.

## INEFFECTUAL FIRE ESCAPES

Almost every city where they have a building code requires buildings over a certain number of feet in height, particularly public buildings, to have fire escapes. The intent of the building laws, of course, is to provide safe exits to the inmates in case of fire, but as carried out in practice the fire escapes are a delusion and a snare, offering a false sense of security where none exists. One city ordinance reads:

"Every dwelling house occupied by or built to be occupied by three or more families, and every building already erected, or that might hereafter be erected, more than three stories in height, occupied and used as a hotel or lodging house, and every boarding house having more than fifteen sleeping rooms above the basement story, and every factory, mill, manufactory or work shop, hospital, asylum or institution for the care or treatment of individuals, and every building three stories and over in height used or occupied as a store or workroom, and every building in whole or in part occupied or used as a school or place of instruction or assembly, and every office building five stories or more in height:

"Shall be provided with such good and efficient fire escapes, stairways or other means of egress in case of fire as shall be directed by the department of buildings;

"And said department shall have full and exclusive power and authority within said city to direct fire escapes and other means of egress to be provided upon and within said building or any of them.

"The owner or owners of any building upon which a fire escape is directed shall keep the same in good repair and properly painted."

The laws of Pittsburgh, for instance, says "Building Progress, are full and complete so far as the class of buildings to be provided with fire escapes is concerned, but when it comes to specifying just what shall constitute a fire escape it is vague and indefinite, leaving it pretty much to the department of buildings to decide.

Even then in the closing paragraph, in which it requires the owner to keep the fire escape

properly painted, the impression is conveyed that iron, or, possibly, wood, is the material the law makers had in mind when framing the code. Whatever the intent of the law-makers, the iron fire escape of skeleton form, with ladders or skeleton stairs from one platform to another, is the design of fire escape which is insufficient, unsatisfactory and a death trap.

Take the average city building as an example. It is tall and narrow, and the windows rise in tiers, one above another. Just outside of one set of windows is built the fire escape which is to provide safety to the inmates. But what happens in case of a fire. Why, on account of the height of the buildings every court, shaft and stairway becomes a big, roaring furnace, with great tongues of flames leaping skyward, licking up everything with which they come in contact.

On account of the location of fire escapes and their open, exposed nature, flames from the lower windows of the building leap upward, enveloping them, catching any unfortunates who might be trying to escape and shriveling them up like spiders on a stove lid.

If buildings were fire proof there would be but little need for fire escapes, but we must take things as they are, and since the majority of buildings are combustible, one portion of them at least, that portion containing the fire escape, should be made absolutely fireproof, and, so far as possible, heatproof. If, for instance, instead of the iron grills made to roast the unfortunate inmates who try to escape, each building had a projection or bay, made of absolutely fireproof materials, extending from basement to roof, with a room-like landing at each floor and stairs leading from one landing to another, fireproof iron doors being placed at each approach to the stairs, so that flames could not leap out of near-by windows and roar up the open stairway, there would be some safety in flight, and the fire escape would be one in fact as well as in name. At each floor of the building, where the fire escape communicated with the main hall, an iron door or, if necessary, double



iron doors would protect the landing of the escape from flames bursting through, as they would likely do if wooden doors were used.

No less important than the entrances would be the exit from this fireproof passage, and if the fire escapes were erected in a yard or court surrounded by buildings a tunnelled passage, fireproofed and heatproofed, should lead to a safe exit in the street.

Heatproof a fire escape must be, as well as fire proof. Many a life has been sacrificed on an old-fashioned iron exposed stair way because the people, fleeing from the flames, could not grasp the red-hot rails and rungs of the stairway or ladder. A quick clutch, an agonizing cry, then the horrifying spectacle of a body plunging down several stories, is a common enough sight at large fires, and one which could be spared the public if proper fire escapes were constructed. An open fire escape were constructed. An open fire escape offers no protection whatsoever if the fire happens to be near any of the tiers of windows from which the people must escape. A fireproof enclosure, such as we have been describing,

would fully protect anybody once they got inside, for heat could not penetrate the walls of brick or hollow tile while the fire lasted in sufficient quantity to burn and blister the hands, scorch the clothes or affect the person.

Further, having a door through which to approach the fire escape, and a good, comfortable stairway to descend, children, invalids and old people could easily seek safety who could not climb through a window and slide down a scorching hot ladder from a dizzy height.

In the compiling of building codes for the safety of the people, the building interests should get together hereafter and see that instead of simply requiring fire escapes the law makers should require fire escapes which are safe not only as to life but injury as well. In watching the framing of the code they should keep in mind it is just as easy to state what will be considered a fire escape as to leave it undefined, and no code is complete or even fairly well drawn which does not give the size, dimensions and all other particulars about the way fire escapes are to be built.

## PROGRESS OF CITY PLANNING

The desire for a better, more orderly, more livable city is abroad in the land. There is much loose enthusiasm, some curiosity and a general desire to "do something." Accordingly, committees are formed, meetings are organized, resolutions are passed and very often the matter ends there. The most praiseworthy intentions are fruitless, without definite aim and purpose.

The movement of a city plan is generally started by a few public-spirited citizens, a club or society, or a combination of societies. The local government seldom appoints a City Planning Commission until the impetus has come from private societies who have taken the initiative and aroused interest in the subject.

At the very beginning the principles of City Planning should be explained by a competent authority as the air is full of misgivings, and in order to proceed intelligently there are numerous misapprehensions that must be corrected.

The public officials and all those exercising authority over the city's expenditure have assumed serious responsibilities by reason of their office and it is due to them to have the case presented in a sensible, serious, business-like manner.

The first impression which we must overcome is that the city is to be turned over to a number of artists who intend in some vague manner to make the city beautiful.

We know that City Planning does not mean mere civic adornment or street decoration and that it is a rational treatment of a city to promote the convenience and health of its citizens. Accordingly, we should say so.

It is feared that a city plan will be ruinously expensive and plunge the city into debt. We know that the contrary is true and that

it simply means the exercise of such prudence and foresight as are necessary to secure the success of any business enterprise. Accordingly, we must say so.

It is generally supposed that a City Plan must be put in operation immediately and all its provisions executed at once. We know that the plan is only a scheme for development, a program of events to be followed one after the other as the occasion permits. Accordingly, let us say so.

It is feared that old landmarks will be destroyed and the city's expression and individuality will be entirely lost. We know that good City Planning is especially careful to preserve local traditions, old buildings of historic value and everything that accentuates the individuality of a city. Accordingly, why not say so?

It is feared that we shall have a series of weak reproductions of London, Vienna and Paris. We know that our cities should be American—American at its best. Accordingly, let us say so.

These facts and many others must be stated in good, plain terms. The public officials entrusted with the care of a city, mindful of their responsibilities, must be convinced that City Planning, the movement that so much interests us, is a sensible, serious proposition. Once assure them of the underlying principles of this great movement and we can secure their hearty support. The beauty that results from the adoption of a good City Plan will be welcomed by them as it will by all citizens, but the beauty that it is our motive to secure is like the beauty of all architecture, founded upon a clear, sensible solution of practical problems.

City Planning is not a fad to-day, it is a necessity; it is not an extravagance, it is an

economy; it is not an artist's dream, it is a scientific reality.

Our success depends largely upon how we state our case. The "City Beautiful" failed, failed because it began at the wrong end. We must state the case in the same sequence that we observe when we make our designs, the plan first, the elevation follows.

Since utility and beauty so hand in hand, let us insist upon utility. Since we have in mind a combination of science and art, let us emphasize science.

There is no doubt that the unregulated growth of a city is most wasteful and that improvidence and lack of foresight are our pet forms of extravagance. An explanation of this appeals strongly to the public, who will also be interested to know how property values are increased by good planning, and generally, that civic art is a real asset, not an imaginary one. We are all familiar with these arguments and we know that their soundness has been demonstrated again and again, but to the general public this is a new subject and we must take nothing for granted.

When we quote European examples let us present both aspects of the case. Take the Place de la Concorde, for instance, it is our duty to explain that it is wonderfully planned, that the provisions for traffic are perfect and that it is logically designed for its purpose, and then our raptures about its beauty will meet with hearty approval.

When we point out the beauty of that splendid boulevard on the banks of the Danube in Budapest, one of the most attractive in Europe, let us not forget to mention the admirable provisions made for shipping and its attendant necessities, which makes this work an almost ideal combination of the useful and the beautiful.

Of course we must design beautiful cities, and we must dream great dreams for the future, otherwise there is no reason or excuse for our profession. A constructive imagination, a fine sense of form, color and compensation are absolutely necessary—besides a knowledge of the complicated practical problems that present themselves. Accordingly, I believe that the preparation of a city plan should be the work of several men, or of a commission. While we do not design new cities to-day it is more difficult to rearrange and develop existing ones, and the skill of the architect, the landscapist, the traffic expert, various kinds of engineers, and others who are specializing on civic problems, are all necessary. These experts, working together, having the advantage of consultations and debates, can produce a design combining the best of science and art, which no single individual could hope to equal.

I have found to my surprise that many cities are entirely neglectful of their historic possessions and that interesting landmarks are ruthlessly destroyed. A professional adviser, who is not a resident, can do much to preserve the individuality of a city and his advice often checks the destruction of fine old Colonial buildings, for instance, and other priceless possessions that could not be replaced.

Lectures, illustrated by lantern slides, are



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Summary for week ending July 20th, 1912:	
Number of transfers.....	409
Amount of transfers.....	\$1,899,178.32
Cash consideration .....	385,038.32
Mortgage consideration .....	1,514,140.00
Ground rent consideration.....	508.66
Which on a six per cent. basis amounts to .....	8,477.67

of course the most effective method of bringing the principles and scope of city improvements to the attention of the public and they are especially useful before any designs are presented or changes proposed. A real campaign of education is necessary and it cannot be begun too soon nor can it be too vigorously prosecuted.

The first visible sign of a genuine demand for the rearrangement and improvement of a city is the report. It is generally illustrated and this is most advisable. Only a few people read reports, everybody looks at the pictures. While much care is bestowed on the illustrations there is some divergence of opinion as to what kind will best fulfill the purpose.

It must be remembered that the object of the report is not only to record the opinions of the experts, or the commission, but also to arouse public interest; accordingly, every suggestion of importance should be presented so that it can be easily understood.

We may indulge in plans, elevations and

sections, rendered in our best style; but it is well to supplement them by sketches that will appeal to the layman.

Photographs of existing conditions placed at the side of drawings of proposed changes, are very convincing and show the contrast of what is and what may be in the simplest way.

Maps and plans are inevitable, but, if we take the trouble, they too, can be drawn so as to interpret their meaning. An excellent method of presenting a new plan—or portion of a plan—is to have it printed on strong thin tissue paper and place it over the old plan so that a comparison between the two may be easily made and the difference noted at a glance.

The effect of this method may be seen by referring to that delightful book "Paris a travers les Ages" in which the transformation of the various quarters of Paris are shown in this quarter.

A broad far-reaching plan for the city, providing for its future growth in all its activities, is desirable, and in fact necessary, but as there are nearly always conditions that require immediate relief and which must be treated first without undue loss of time, it is often well to prepare a study or preliminary report which, bearing in mind the ultimate, larger design, will specialize on problems of pressing importance.

Good designs demand adequate presentation and our drawings should be interesting and convincing, but at the risk of being disagreeable I must say that many of the drawings that we now make to accompany city reports have far over-shot the mark.

What would you say of the architect who made drawings for a building, or group of buildings, however beautiful, but which could not be built? We deal, not in drawings, not in pictures, but in results. The drawings are the tools of our trade. We would say very harsh things indeed of a man who made designs that could not be realized, who planned buildings that he knew could not be erected; but the scope of city planning has grown so great, its opportunities are now so large that we have been led astray by the immensity of the subject and with our vast horizon we have made huge pictures, wonderful pieces of scene painting in which facts have been ignored, grades forgotten, whole railroad systems eliminated, and the city's activities ignored. I have seen a larger part of a prosperous commercial district wiped out and replaced by a series of Italian gardens on paper—impossible civic centres—boulevards leading nowhere—and sibilant absurdities. Designs have been made, submitted and published, that not only could not be executed but which should not be executed.

To me this is most reprehensible. The city as our client deserves the same fair treatment as an individual. We may deceive ourselves but the deception is certainly discovered sooner or later and the whole cause of the city planning set back for years.

City planning is not for amateurs, it requires the trained, experienced practitioner, and if we are perfectly honest with our work

we shall receive the support and enthusiasm of the public.

The scope of city planning is much wider than is generally supposed. The Town Planning Conference, held in London in 1910, which was so successful, covered an enormous field and papers were read and serious discussions followed on nearly every branch of the question.

The planning of Hellenistic cities, Rome, the Roman world, the cities of the Renaissance, French and English Gothic towns in the South of France were described.

Papers were read detailing the progress made in Germany, France, England, Italy and Sweden, and special articles were devoted to what is being done in London, Paris, Glasgow, Brussels, Khartoun and the Federal Capital of Australia.

The Development of Cities, Considerations of the Housing Question, Extension of Suburbs and Garden Cities, formed an important part of the conference.

The city of the future was considered from the American, English and French point of view. No less an authority than Monsieur Henard contributed an essay on Les Villes de l'Avenir.

The Preservation of Ancient Features, the Transition Period of Urban Development, and the Evolution of Cities, Parks and Public Gardens, Open Spaces and Running Waters, Recreation Grounds, Congested Areas, the Restraint of Advertising, are among the titles of addresses.

The Growth of Control over Town Development, Land Tenure, the Town Planning Act, and other legislation were discussed, and there were many others, general in their character on City Improvements. The Architect and Civic Ornamentation, Cause and Effect of the Modern City, etc., etc.

This incomplete summary of the work of the convention conveys a faint idea of the immense field covered by the words "City Planning."

It is difficult to imagine an individual to whom some of these subjects do not intimately appeal and he must be a dull citizen indeed who is not vitally concerned in the development, beauty and honor of his city.—"Ohio Architect, Engineer and Builder.

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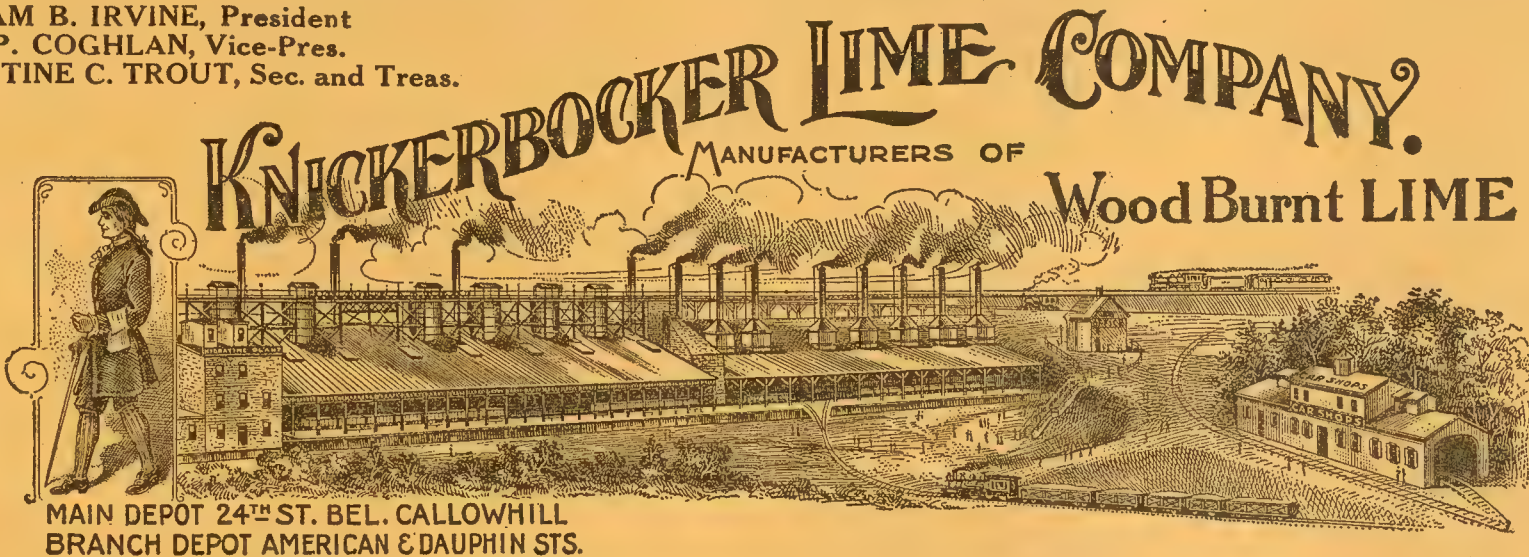
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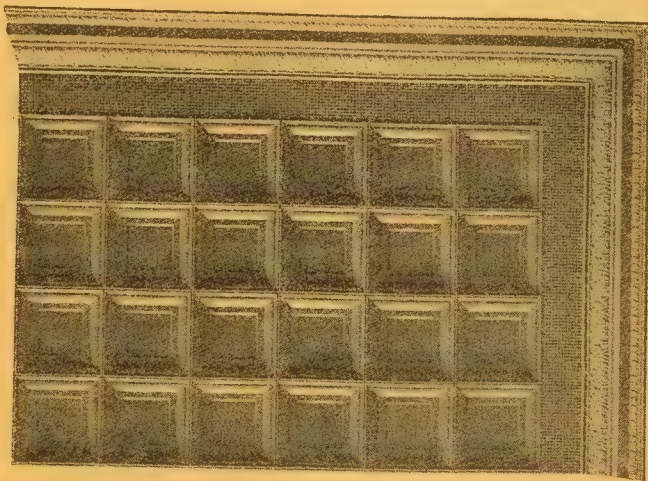
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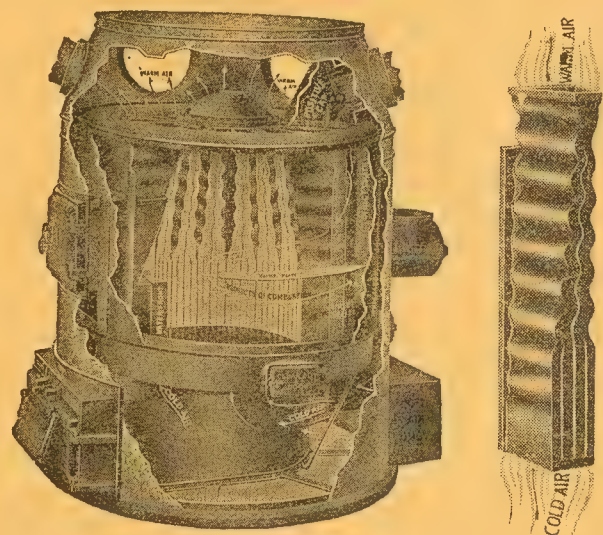
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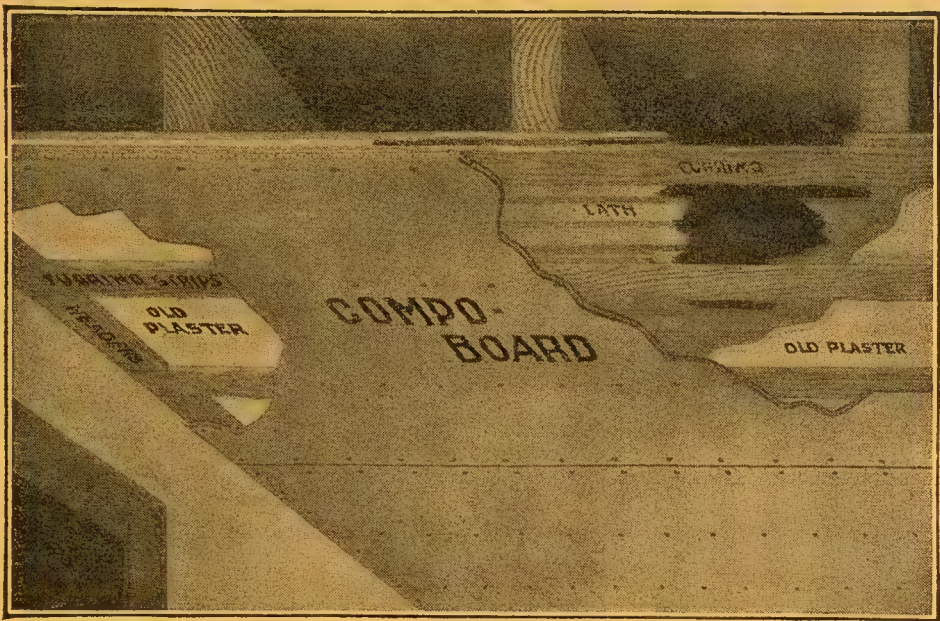
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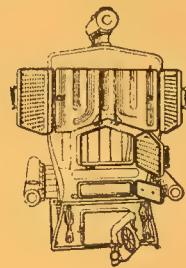
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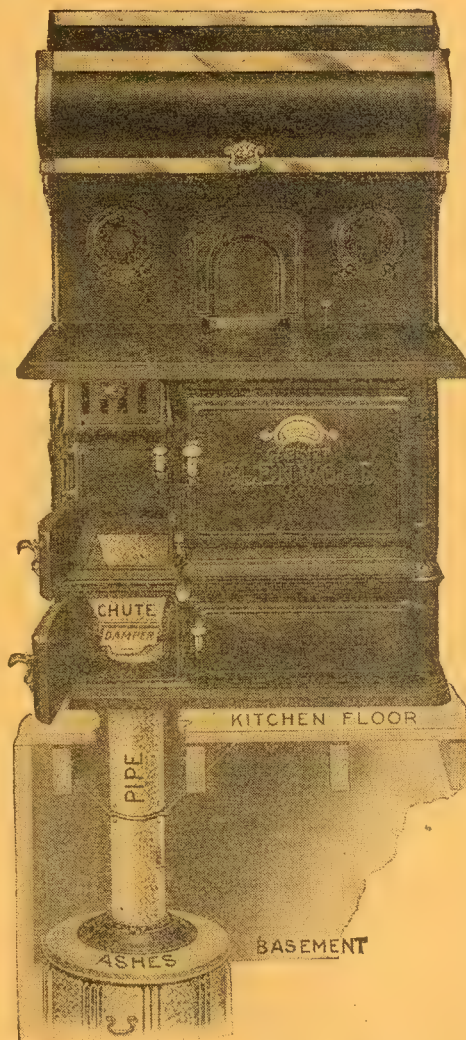
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# Builders' Guide

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXVII., No. 31.

PHILADELPHIA, WEDNESDAY, JULY 31, 1912.

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15 Cents per Copy

## Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Residence**, St. Davids, Pa. \$30,000. Architects, Zantinger, Borie & Medary, Northeast corner Fifteenth and Walnut streets. Owners, A. G. Rosengarten, 2212 De Lancey street. Stone or hollow tile, two and one-half stories, 75x33 feet, wing, 25x30 feet, shingle, slate or tile roof, hot water heating, hardwood floors. Plans in progress.

**Factory (2 Buildings)**, Marcus Hook, Pa. Architect's private plans. Owners, United Roofing and Mfg. Company, on premises. Brick, two and three stories, 60x200 feet, and 43x160 feet, electric light. Owner taking bids due August 1. William R. Dougherty, 1608 Sansom street, is figuring.

**New Nursery and addition to Home**, Fifth and Bainbridge streets. Architects, Magaziner & Potter, 137 South Fifth street. Owners, The Young Women's Union, on premises. Brick, granite, limestone trimmings, four stories, 50x73 feet, electric light, tile roof, eight bath rooms (heat reserved). Architect taking bids (revised) due August 1. The following are figuring: H. E. Grau Company, 1709 Sansom street; Irwin & Leighton, 126 North Twelfth street; J. Sims Wilson, 1125 Brown street.

**Theatre (alt. and add.)**, Twenty-sixth and Girard avenue. Architect, Frederick Webber, Morris Building. Owner's name withheld. Brick and stone, three stories, electric light, slag roof, steam heat. Architect taking bids due August 1. The following are figuring: A. Whitehead, 1624 Latimer street; J. W. Emery, 1524 Sansom street; George F. Pawling Company, Broad and Vine streets.

**Factory**, 2412-24 South Sixth street. Architects, J. D. Allen & Co., Denckla Building. Owners, Southwark Paper Box Company, 757 Passayunk avenue. Brick, three stories, 50x90 feet, electric light, slag roof, steam heat, elevator. Owners taking bids due August 1. The following are figuring: J. W. Emery, 1524 Sansom street; W. J. Gruhler, 219 High street; Harry Gill, Jr., 2200 Yermantown avenue; M. Donato, Seventh and Christian streets.

**School**, Norwood, Pa. Architect, Charles R. Peddle, 136 South Fourth street. Owners, School Board, care of Jacob Loos, secretary, Norwood, Pa. Stone, two stories (10 rooms), slate roof (heating and ventilating, separate bids), electric lighting. Owners taking revised bids. The following are figuring: H. L. Brown, 1714 Sansom street; Ed. Fay & Sons, 1521 Ranstead street; J. W. Emery, 1524 Sansom street.

**Telephone Exchange**, Broad and Rockland streets. Architect, J. T. Windrim, Twelfth and Chestnut streets. Owners, Bell Telephone Company, Thirteenth and Arch streets. Brick and limestone, three stories, slag roof, electric light, steam heat. Plans completed. Owners are ready for bids.

**Addition to Plant**, Marcus Hook, Pa. Architects, Ballinger & Perrot, 1211 Arch street. Owners, American Viscose Company, Marcus Hook, Pa. Brick and concrete, one story, slag roof, electric light. Architects taking revised bids, due July 31st. The following are figuring: B. Ketcham's Sons, 1029 Brown street; William Provost, Chester, Pa.; W. W. Lindsey, Harrison Building.

**Rectory**, Camden, N. J. Architects, Folsom & Lackey, 1433 Chestnut street. Owners, Church of Our Saviour, Camden, N. J. Stone and plaster, three stories, 25x40 feet, electric light, slate roof, one bath room, heat reserved. Architects taking bids (revised), due August 1st. The following are figuring: J. J. Welsh, Camden, N. J.; Turner & Stewart, Camden, N. J.; Barcklow & Fulton, Camden, N. J.; Graw & Co., Camden, N. J.

**Power House**, Camden, N. J. Architect, C. J. Brooke, Camden, N. J. Owners, Keystone Leather Company, Camden, N. J. Brick, one story, 50x80 feet, asbestos shingle roof, electric light. Owners taking bids, due August 2nd. Stacey Reeves & Sons, 1609 Filbert street, and J. R. Wiggins, Heed Building, are figuring.

**Store Building**, 305-7 North Howard street, Baltimore, Md. Architect, Louis Levi, Real Estate Trust Building, Philadelphia. Owner's name withheld. Brick, four stories, 29x104 feet, slag roof, steam heat, electric light. Plans in progress.

**Store Building (alt. and add.)**, Baltimore and Howard streets, Baltimore, Md. Architect, Louis Levi, Real Estate Trust Building, Philadelphia. Owner, Joseph Wisenfeld, Baltimore, Md. Brick, four stories, 56x100 feet, slag roof, steam heat, electric light. Plans in progress.

**Garage**, 6129 Greene street. Architects, Ballinger & Perrot, 1211 Arch street. Owner, W. J. Montgomery, on premises. Stone and brick, one story, enamel brick, slate roof, electric light. Architects taking bids, due July 31st. The following are figuring: Sam Harting, 20 East Johnson street; Stokes Bros., Rosemont, Pa.; W. C. Wright, 22 Har-

vey street; Irwin & Leighton, 126 North Twelfth street.

**Boiler House**, Allegheny avenue and Trenton avenue. Architect, C. W. Denny, 1524 Chestnut street. Owners, Brehm-Stehle, on premises. Brick, one story, 48x40 feet, tile roof. Architect taking bids, due July 29th. The following are figuring: George Hogg, 1634 Sansom street; D. T. McCarthy, 411 Walnut street; J. Connor, Frankford, Pa.; W. E. Dotts, 148 North Second street; P. J. Gaffney Company, 130 North Twelfth street.

**Residence**, Haverford, Pa., \$25,000. Architect, Horace Trumbauer, Land Title Building. Owner, Mrs. Howard E. Mitchell, 1805 De Lancey street. Stone and timber, two and one-half stories. Plans in progress.

**Hotel (alts.)**, Fifteenth and Chestnut streets, \$15,000. Architect, Richard C. Loos, 1017 Chestnut street. Owner, Colonnade Hotel, M. E. Greenhouse, on premises. Consists of new front on first floors and interior alteration for bar and cafe. Plans completed. Ready for bids.

**Church (alt. and add.)**, Tamaqua, Pa. Architects, Henon & Boyle, 14 South Broad street. Owners, St. Jerome's R. C. Church, Tamaqua, Pa. Plaster, one story, electric light. Plans in progress.

**Residence**, Chestnut Hill, \$50,000. Architects, Price & McLanahan, Sixteenth and Walnut streets. Owner, J. L. Woolston, 110 Chestnut street. Stone, two and one-half stories, electric light, hot water heat, tile roof, six bath rooms (hardwood floors reserved). Architects taking bids, due July 30th. The following are figuring: Metzger & Wells, Heed Building; William R. Dougherty, 1608 Sansom street; George S. Roth, Chestnut Hill; H. H. Burrell, 1204 Chancellor street; H. E. Grau Company, 1709 Sansom street; M. W. Young, Overbrook, Pa.

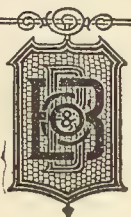
**Library (alt. and add.)**, Sixth and Lehigh avenue. Architects, Hewitt, Granger & Paist, Bullitt Building. Owners, Free Library of Philadelphia, Thirteenth and Locust streets. Brick and stone, two stories, electric light. Architects taking bids, due July 30th. The following are figuring: William R. Dougherty, 1608 Sansom street; Thomas Little & Sons, 1616 Sansom street; J. Myers & Sons, Wither- spoon Building; J. S. Cornell & Sons, Land Title Building.

**Residence**, Cynwyd, Pa. Architects, Savery, Scheetz & Savery, Stephen Girard Build-



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ing. Owner, James F. Gounley, care of Royal Electrotype Company, 620 Sansom street. Stone and rough cast, two and one-half stories, 55x44 feet, shingle roof, oak floors (hot water heating reserved). Architects have received bids.

**School, Mantua, N. J.** Architect, Charles R. Peddle, 136 South Fourth street. Owners, Board of Education, care of J. M. Tonlin, District Clerk, Sewell, N. J. Stone, one story, two rooms, slate roof, hot air heating. Owners taking bids, due August 12th, 8 P. M. Plans can be obtained after July 30th from the architect on deposit of check for \$10.00.

**School, Sewell, N. J.** Architect, Charles R. Peddle, 136 South Fourth street. Owners, Board of Education, care of J. M. Tonlin, District Clerk, Sewell, N. J. Stone, one story, two rooms, slate roofing, hot air heating. Owners taking bids, due August 12th, 8 P. M. Plans can be obtained from the architect after July 30th on deposit of check for \$10.00.

**Church, Narberth, Pa.** Architects, E. F. Durang & Sons, Twelfth and Chestnut streets. Owners, St. Margaret's R. C. Church, Narberth, Pa. Stone, one story, 40x130 feet, electric light, steam heat, slate roof. Architects taking bids, due August 3rd. The following are figuring: M. L. Conneen, 315 South Twentieth street; J. A. Doyle & Sons, 878 North Forty-sixth street; J. R. Wiggins, Heed Building; Cramp & Co., Denckla Building; Melody & Keating, Bailey Building; J. Myers & Sons, Witherspoon Building; W. J. McShane, 417 South Thirteenth street; J. McShain, 631 North Seventeenth street; William R. Dougherty, 1608 Sansom street.

**Police Station, Fire Station and Garage, Twenty-second and Hunting Park avenue.** Architect, C. Zilendiger, City Hall. Owners, City of Philadelphia. Brick and terra cotta, two and three stories, enamel brick, electric light, steam heat, slag roof. Plans in progress. Owners will take bids in about three weeks.

**Fire House, Cheltenham and Germantown avenues.** Architect, C. Zilendiger, City Hall. Owners, City of Philadelphia. Brick and marble, two stories, 54x73 feet, slag roof, electric light, enamel brick, steam heat. Plans in progress. Owners will take bids in about three weeks.

**Sunday School, Fox Chase, Pa.** Architect, W. L. Blithe, 608 Chestnut street. Owners, Fox Chase Memorial Church. Stone, one story, 63x38 feet, slate roof, steam heating, electric lighting. Plans about completed. Architect taking bids.

**Residence (alt. and add.), 6024 Wayne avenue.** Architect, Mantle Fielding, 518 Walnut street. Owner, W. J. Faux, The Belgravia,

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**N. E. Cor. 22d and Wood Streets**

Philadelphia. Tin roof, oak floors (heating and electric lighting reserved). Architect has received bids.

**Museum, Fortieth and Spruce streets.** Architect, J. T. Windrim, Twelfth and Chestnut streets. Owner, Thomas W. Evans Memorial, University of Pennsylvania. Brick and limestone, fireproof, three stories, 161x242 feet, electric light, slate roof, elevators, steam heat, enamel brick. Architect taking bids, due August 6th. In addition to those previously reported, the following are figuring: J. G. Doak & Co., Crozer Building; William R. Dougherty, 1608 Sansom street; Doyle & Co., 1519 Sansom street.

**Church (alt. and add.), Fifth street, below Lehigh avenue.** Architect, Carl P. Berger, 1418 South Penn Square. Owners, St. Mark's Reformed Church, care of Rev. G. A. Scheer, 2404 North Sixth street. Granite, one story, 27x91 feet, slate roof, steam heat. Architect has received bids.

**Theatre, Philadelphia, \$350,000.** Architect, F. Webber, Morris Building. Owner's name withheld. Brick and terra cotta, one story, 120x240 feet, slag roof, electric light, steam heat, fan system. Architect has received bids.

**Parish House, Fifth and Collins streets, Frankford, Pa.** Architects, George Nattress & Sons, Twelfth and Walnut streets. Owners, Church of Good Shepherd, on premises. Stone and brick, two and one-half stories, 40x89 feet, slag roof, electric light, steam heat. Architects taking bids, due July 31st. The following are figuring: F. L. Hoover & Sons, Builders' Exchange; A. H. Williams & Sons, 419 Locust street; Joseph A. Hand, 8029 Frankford avenue; Worrells & Waters, Rosemont, Pa.; T. C. Trafford, 1613 Sansom street; Adamson & Grice, 5018 Brown street.

**Alt. and add. for Theatre, Twenty-sixth and Girard avenue.** Architect, Frederick Webber, Morris Building. Owner's name withheld. Brick and stone, three stories, electric light, slag roof, steam heat. Plans in progress.

**Buildings (5), Honesdale, Pa.** Architects and engineers, Day & Zimmerman, 608 Chestnut street. Owners, Gurney Electric Elevator Company, New York City. Brick and frame, mill, one story, 50x210 feet; shops (2), one story, 50x120 feet; foundry, one story, 80x50 feet; storage, one story, 25x75 feet. Slag roof, electric light, steam heat. Engineers taking bids, due July 30th. The following are figuring: F. A. Havens, 845 North Nineteenth street; J. W. Ferguson Company, Paterson, N. J.; Torrington Building Company, Torrington, Conn.; David Henry Building Company, Paterson, N. J.

**Waiting Room and Tunnel, Falls of Schuylkill, Pa.** Architect, W. Hunter, Twelfth and Market streets. Owners, Philadelphia and Reading Railroad Company, Reading Terminal. Concrete, brick, stone and steel, electric light. Owners taking bids, due August 3rd. The following are figuring: George Hogg, 1634 Sansom street; H. E. Baton, Tenth and Sansom streets; Irwin & Leighton, 126 North Twelfth street; Brown-King Construction Company, Harrison Building; Armstrong & Latta, Land Title Building; J. E. & A. L. Pennock, Land Title Building; J. G. Doak & Co., Crozer Building; J. S. Wilson Company, 1125 Brown street; F. L. Hoover, Builders' Exchange; F. A. Havens, 845 North Nineteenth street.

**Residence, Salem, N. J.** Architects, Baily & Bassett, 421 Chestnut street. Owner, D. Stewart Craven, Salem, N. J. Brick and plaster, two and one-half stories, 30x50 feet; wing, 18x18 feet; shingle roof, hot air heating, hardwood floors. Plans in progress. Architects will take bids in about ten days.

**Sunday School, Fox Chase, Philadelphia.** Architect, W. L. Blithe, 608 Chestnut street. Owner, Fox Chase Memorial P. E. Church. Stone, one story, 63x38 feet, slate roof, steam heating. Architect taking bids, due August 6th. The following are figuring: Joseph Ashoy, Fox Chase, Philadelphia; Thomas S. McVaugh, Fox Chase, Philadelphia; Herbert C. Weiss, Fox Chase, Philadelphia; James Johnston, 1721 Ludlow street; Thomas C. Trafford, 1613 Sansom street.

**Theatre, Cleveland, Ohio.** Architect, L. W. Thomas, 1180 Warren road, Cleveland Ohio. Owners, Mills Theatre Company, Cleveland, Ohio. Brick and steel, fireproof, one story. Architect taking bids. Charles McCaul Company, Tenth and Sansom streets, is figuring.

**Factory (alts.), Nineteenth and Allegheny avenue.** Architects, Harris & Richards, Drexel Building. Owners, Electric Storage Battery Company, on premises. Consists of general alterations, concrete and steel. Architects taking bids, due August 2nd. The following are figuring: Vulcanite Paving Company, Land Title Building; H. H. Burrell, 1204 Chancellor street; George & Borst, 277 South Eleventh street; J. E. & A. L. Pennock, Land Title Building; Cramp & Co., Denckla Building; A. R. Raff, 1635 Thompson street; F. W. Van Loon, Denckla Building; Charles McCaul Company, Tenth and Sansom streets.

**Business Building (remodeling), northeast corner Ninth and Arch streets.** Architects, Peuckert & Wunder, 310 Chestnut street. Owner, Max Sladkin, 827 Arch street. Brick, four stories. Consists of general remodeling. Architects taking bids, due August 2nd. The following are figuring: Ed. Fay & Son, 1519 Ranstead street; Roydhouse-Arey Co., Fidelity Building; George & Borst, 277 South Eleventh street; Smith-Hardican Company, 1606 Cherry street; Lam Building Company, 1001 Wood street; Harry Gill, Jr., 2200 Germantown avenue.

**Residence, Narberth, Pa., \$8,000.** Architects, McIlvain & Roberts, Land Title Building. Owner, H. P. Moore, Narberth, Pa. Stone, two and one-half stories, 45x40 feet, tile roof, oak floors, hot water heating, electric lighting. Owner taking bids. Graham-Campion Company, Heed Building, is figuring.

**Sanitarium, Hamburg, Pa.** Architects, Welsh, Sturdevant & Poggi, Wilkes-Barre, Pa. Owners, State of Pennsylvania, care of Dr. Samuel G. Dixon, Nineteenth and Race streets, Philadelphia. Brick and frame, one and two stories. Consists of dining and administration buildings (2), ward buildings (2) (connecting corridors and power house and laundry). Owners taking bids, due August 19th, 12 noon. Plans can be obtained on deposit of \$25.00.

**Bank and Office Building, Lima, Ohio.** Architects, McLaughlin & Hulsken, Lima, Ohio. Owners, H. G. & William Wemmer & Allen County S. & L. Co., Lima, Ohio. Brick, stone and steel, fireproof, six stories, 81x81 feet. Architects taking bids, due August 7th. Chas. McCaul Company, Tenth and Sansom streets, is figuring.



## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Hall Building**, Nineteenth and Catharine streets. \$45,000. Architects, S. Milligan & C. M. Pearson, 520 Walnut street. Owners, Grand United Order of Odd Fellows, Twelfth and Spruce streets. Stone and brick, three stories, 50x135 feet, slag roof, electric light, steam heat. Contract awarded to A. Whitehead, 1624 Latimer street.

**Residence**, Rose Tree, Pa. Architects, Duh-ring, Okie & Zeighler, Bailey Building. Owner, F. W. Sharpless, Media, Pa. Stone, two and one-half stories, slate roof, electric light. Contract awarded to R. C. Ballinger & Co., 218 North Thirteenth street.

**Dairy Barn**, West Chester, Pa. \$76,000. Architect's private plans. Owners, Herman Hooper, West Chester, Pa. Stone, two stories, shingle roof, electric light. Contract awarded to J. B. Flounders, 1329 Arch street.

**Garage**, Overbrook, Pa. Architects, Thomas, Churchman & Molitor, 1300 Walnut street. Owner, Mrs. H. McMichan, The Rittenhouse. Stone, two stories. Contract awarded to Alfred James, Bala, Pa.

**Coal Pocket**, Atlantic City, N. J. Architect, W. Hunter, Reading Terminal. Owners, Philadelphia and Reading Railroad Company. Concrete, wood and steel. Contract awarded to F. A. Havens & Co., 845 North Nineteenth street.

**Factory**, 1304-06 Vine street. Architect, Charles E. Oelschlager, Harrison Building. Owner, Arthur F. Schneider, Hale Building. Brick, three stories, slag roof, steam heat, electric light. Contract awarded to Alex. Chambley, 243 South Tenth street.

**Residence**, Jenkintown, Pa. Architect, Werner Trumbower, Crozer Building. Owner, Jerry March, 704 North Sixteenth street. Plaster, three stories, 31x66 feet, hot air heating, electric light, oak floors. Contract awarded to D. Watson Crombarger, Bailey Building.

**Boiler House (add.)**, Forty-fourth and Market streets, \$1,500. Architect and engineer, Dr. W. A. Drysdale, Hale Building. Owners, Pennsylvania Hospital for Insane. Brick, one story, slag roof, electric light. Contract awarded to J. B. Flounders, 1329 Arch street.

**School**, Norwood, Pa. Architect, Charles B. Peddle, 136 South Fourth street. Owners, School Board, care of J. F. Loos, Secretary, Norwood, Pa. Stone, two stories, ten rooms, slate roof (heating and ventilating reserved), electric light. The lowest bidder was J. W. Emery, 1524 Sansom street, \$30,485.

**Mill (alt. and add.)**, Germantown, Philadelphia, \$3,000. Architects, Webster & Gibson, Harrison Building. Owners, John and James Dobson, on premises. Brick, one story addition, 20x30 feet, electric light, slag roof. Contract awarded to W. F. & J. Rayner, 4128 Pechin street.

**Residence**, Atlantic City, N. J., \$8,000. Architect, M. H. Dickinson, 1524 Chestnut street. Owner, William Dickinson, Atlantic City, N. J. Brick and frame, three stories, 23x35 feet, slate roof, hardwood floors, steam heat, electric light. Contract awarded to Phifer & Gaskill, Atlantic City, N. J.

**Saloon (alt. and add.)**, 1802 Market street, \$4,500. Architect, H. E. De Hoff, 48 South Sixty-first street. Owner, Edward Flood, on premises. Brick, three stories. Consists of

general alterations and addition. Contract awarded to A. Whitehead, 1624 Latimer street.

**Infirmary**, Bryn Mawr, Pa. Architects, Day Bros. & Klauder, 925 Chestnut street. Owners, Bryn Mawr College, on premises. Plaster, three stories, 86x90 feet, canvas roof (electric light, steam heat and plumbing reserved by owners). Contract awarded to H. H. Burrell, 1204 Chancellor street.

**Church**, State College, Pa. Architect, Albert Kelsey, Perry Building. Owner, State College Presbyterian Church. Brownstone and limestone, one story, 45x125 feet, slate roof, steam heating, electric lighting. Contract awarded to H. Miller, Bellefonte, Pa.

**Rectory**, Moorestown, N. J. Architects, Bal-linger & Perrot, 1211 Arch street. Owners, Our Lady of Good Counsel, on premises. Stone and brick, three stories, 49x56 feet, slate roof, hot water heat, electric light. Contract awarded to J. S. Rodgers Company, Moorestown, N. J.

**Buildings (10)**, South Orange, N. J., \$200,000. Architects, J. O'Rourke & Sons, Newark, N. J. Owners, Home for Aged and Infirm, Newark, N. J. Brick, concrete, fireproof, two and three stories, slate roof and slag roof, steam heat, electric light. Contract awarded to Metzger & Wells, Heed Building.

**Residence (alt. and add.)**, 1811 Spring Garden street. Architect, private plans. Owner, Sidney Aloe, Broad and Carpenter streets. Brick, three stories, electric light, steam heat, hardwood floors and interior mill work. Contract awarded to Stacey Reeves & Sons, 1611 Filbert street.

**Residence (alt. and add.)**, 2029 Sprin Garden street. Architect, private plans. Owner, David Kerschbaum, care of Kerschbaum Bros., Broad and Carpenter streets. Brick, four stories, electric light, steam heat, hardwood floors and extensive interior alterations. Contract awarded to Stacey Reeves & Sons, 1611 Filbert street.

**Apartments (alt. and add.)**, 1100-02 South Forty-sixth street, \$15,000. Architect, private plans. Owner, Charles F. Bonsor, 18 South Front street. Brick, four stories, slag roof, electric light, hot water heat. Contract awarded to A. Bottoms & Sons Co., 41 South Fifteenth street.

**Store Building**, Thirteenth and Vine streets, \$10,000. Architects, Sauer & Hahn, 1112 Chestnut street. Owner, Harry Weinrich, Twelfth and Arch streets. Brick, two stories, 33x85 feet, electric light, slag roof (heat reserved). Contract awarded to Smith-Hardican Company, 1606 Cherry street.

**Bank**, Mays Landing, N. J. Architect, Guy King, 1513 Walnut street. Owners, First National Bank, Mays Landing, N. J. Brick, two stories, 28x46 feet, electric light, hot water heat, slate roof. Contract awarded to James Steelman, Bridgeton, N. J.

**Coal Pocket**, Greenwich Point, Philadelphia. Architect, private plans. Owners, Pennsylvania Salt Manufacturing Company, care of Mr. Rhodes, Greenwich Point. Wood, steel and slag roof. Contract awarded to Belmont Iron Works, Twenty-second and Washington avenue.

**Court House**, Media, Pa. Architects, Brazer & Robb, 1122 Broadway, New York City. Owners, Delaware County Commission-

ers, Media, Pa. Granite, limestone and brick, two stories, 139x206 feet. Slag roof, steam heating, electric lighting. Bids opened as follows: J. E. & A. L. Pennock, limestone, \$156,800; marble, \$182,540; Thomas Reilly, limestone, \$156,975; marble, \$193,701; M. P. Wells, limestone, \$165,773; marble, \$199,000; C. H. Peckworth, limestone, \$176,874; marble, \$219,930; Metzger & Wells, limestone, \$177,000; marble, \$205,971; Dotts & Co., limestone, \$179,774; marble, \$207,000; McCaul Company, limestone, \$179,223; marble, \$215,272; P. J. Hurley, limestone, \$183,000; marble, \$208,500; Connors Bros., limestone, \$186,783; marble, \$203,280; Fissell & Co., limestone, \$187,500; Bottoms & Sons Co., limestone, \$194,918; marble, \$239,918; Norcross Bros., marble, \$207,234.

**Church (alt.)**, Twentieth and Cherry streets, \$22,000. Architect, Horace Wells Sellers, Stephen Girard Building. Owner, St. Clement's P. E. Church, on premises. Stone, one story, slate roof. Contract awarded to Jacob Myers & Sons Co., Witherspoon Building.

**Store (alts.)**, 1712 Walnut street, \$5,000. Architect, private plans. Owner, Marie C. Seibel, 254 South Sixteenth street. Consists of new bulks and interior changes. Contract awarded to John N. Gill & Co., Heed Building.

**Residence and Garage**, Reading, Pa., \$50,000. Architects, Zantzing, Borie & Medary, northeast corner of Fifteenth and Walnut streets. Owner, John D. Horst, Reading, Pa. Stone, two and one-half stories, 16½x50 feet, slate roof, hot water heating, electric lighting, hardwood floors. Contract awarded to Pringle Borthwick, 8018 Germantown avenue.

**Cottage**, Atlantic City, N. J., \$6,000. Architects, Magaziner & Potter, 135 South Fifth street. Owner, Michael Seltzer, 247 South Third street. Brick and frame, three stories, slate roof, steam heating, electric lighting. Contract awarded to Amsterdam Fireproofing Company, Atlantic City, N. J.

If your competitor is cutting in on you, and he is advertising, follow suit. If he isn't advertising get the lead on him by letting the trade know you are still a factor. In either case—advertise.

When you want to find the address of the man who "doesn't believe in advertising," don't look up a directory. Just ask the sheriff.

An advertisement should stick out like a sore thumb without being so sensitive.—"Novelty News."

Don't fail to read "New Ideas, Materials and Devices."

**W. E. Wark & Co.**

1737 Filbert St., Phila., Pa.

**IRONWORK**

Structural Ornamental  
Cast Iron Stairs Railings Grilles, etc.

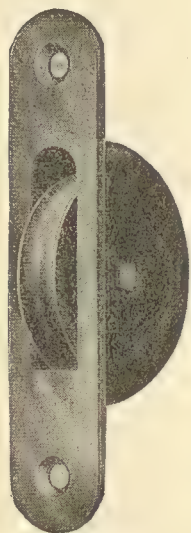
**STEEL BUILDINGS**  
Designed and Erected

Mention "The Builders' Guide."



If you want your **WINDOWS**  
to run smoothly and noiselessly,  
specify

## American Wrought Metal Sash Pulleys



Ball Bearing

We make all kinds,  
including our celebrated  
**Ball Bearing Pulleys**

Our Pressed Metal  
Sash Pulleys are indes-  
tructible, and are cheaper,  
lighter and better fin-  
ished than Cast Pulleys,  
and can be delivered  
promptly.

**THE AMERICAN PULLEY COMPANY**

OFFICE AND WORKS: PHILADELPHIA, PA.  
Warehouses: New York, 203 Lafayette St. Boston, 105 Pearl St. Chicago, 124 S. Clinton St.

## FRENCH'S

"QUALITY FIRST"

## Cement Colors

Superior—Strong—Safe  
Dry Colors for Coloring all  
Cement Mixes

BLACK—RED—BLUE  
BROWN—YELLOW

Permanent—Easy to Work

Manufactured only by  
**SAMUEL H. FRENCH & CO.**  
Philadelphia, Pa.

Established 1844 Write for samples and prices

"I was going to place my order with Blank & Co.," writes an out of town subscriber, "but failing to find their advertisement in your pages, concluded that the firm was of small importance." The firm that bagged the order is comparatively new to the trade, but as a regular advertiser in the home trade paper was able to make an impression that all the accumulated prestige of the older house was unable to overcome. Moral: Advertise.

### THERE'S ONLY ONE WAY.

A man may guy,  
And a man may lie,  
And a man may puff and blow;  
But he can't get trade by sitting in the shade,  
Waiting for business to grow.

Are you a regular subscriber to "The Guide"?

**R. R. HAMMOND & CO.,**

Land Title Building, Phila., Pa.

Representing

## Grinden Art Metal Co.

All Steel Doors, Interior Finish, Mouldings, Trim, etc.

## Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

L. C. Seifert (O), 811 Columbia avenue. E. J. Kreitzburg (C), 1345 Arch street. Cost, \$3,600. DDwelling and store, brick, three stories, 16x40 feet, 821 Columbia avenue.

Hale & Kilburn Company (O), Eighteenth and Lehigh avenue. George Fuller Company (C), Morris Building. Cost, \$200,000. Factory, three stories, brick, 279x70 feet, Eighteenth and Lehigh avenue.

William Ebal (O), 1021 Jackson street. B. Saidel (C), 1023 Jackson street. Cost, \$7,000. Two ddwellings, three stories, 20x53 feet, Eighth and Morris streets. Cost, \$18,000. Six dwellings. Cost, \$6,000. Two dwellings. Cost, \$13,400. Nine dwellings.

William H. Ashton (O), 5618 North Second street. Cost, \$4,000. Two dwellings, brick, two stories, 16x46 feet, Third and Grange avenue.

T. H. Right (O), 400 Bringham street. J. Hillyer (C), 55 East Clapier street. Cost, \$1,300. One dwelling, brick, two stories, 25x30 feet, Sheldon and Bringham streets.

Walter Smith (O), 3804 Lauriston street, Wissinoming. Cost, \$4,000. One dwelling, brick, two stories, 16x38 feet, Ridge avenue and Lauriston street. Cost, \$2,100. One store and dwelling.

John F. Lloyd (O), Franklin and Parrish streets. Harry Miller (C), 427 Catharine street. Cost, \$8,000. Two dwellings, brick, three stories, 17x34 feet, 520-22 Pine street.

L. Anderson (O), Forty-seventh and Parrish streets. Cost, \$1,500. Dwelling, brick, two stories, 15x47 feet, 4641 Parrish street.

Louis Rieben (O), 2632 West Cumberland street. E. Rieben (C), 2632 West Cumberland street. Cost, \$1,500. One dwelling, brick, two stories, 15x24 feet, Fiftieth and Master streets.

John Listman (O), 7225 Edmond street. Cost, \$3,800. Two dwellings, brick, two stories, 15x40 feet, Vandyke and Cottman streets.

C. M. Swarthy (O), 427 Hermitage street. Cost, \$4,800. Three dwellings, brick, two stories, 16x45 feet, 431-33-35 Hermitage st.

Pennsylvania Hospital (O), Forty-fourth and Market streets. J. S. Corneil & Sons (C), Land Title Building. Cost, \$15,000. Hospital, Forty-fourth and Market Streets.

A. G. Morrison (O), 1019 Bainbridge street. W. McArthur Mitchell Company (C), 204 South Hicks street. Cost, \$1,900. Dwelling, brick, two stories, 20x68 feet, 1618 Kater

Herman I. Voas (O), 3208 Frankford ave-

nue. Cost, \$11,000. Eight dwellings, brick, two stories, 14x24 feet. Ontario and Thompson streets. Cost, \$3,600. Two dwellings.

W. A. Bricker (O), 117 South Forty-sixth street. Cost, \$20,000. Apartment house, four stories, brick, 40x110 feet, Forty-fifth and Larchwood avenue.

James & John Dobson (O), Falls of Schuylkill, Pa. W. F. J. Rayner (C), 4128 Pechin street. Cost, \$3,000. Dye house, brick, one story, 36x74 feet.

Hall Yarn and Waste Company (O), Hermitage street, Manyunk, Pa. Harold Wileman (C), 4377 Manayunk avenue. Cost, \$2,400. Storage, brick, two stories, 34x63 feet, Hermitage street, Manayunk, Pa.

Theo. Presser (O), 1712 Chestnut street. Mitchell Bros. (C), 2125 Race street. Cost, \$2,500. Office building, 1712 Chestnut street.

Integrity Trust Company (O), Fourth and Green streets. George Kessler (C), Drexel Building. Cost, \$15,000. Brick, two stories, 31x98 feet, 542 North Fourth street.

N. & W. B. Castor (O), Frankford road and Overington street. Robert Mathews (C), Holmesburg, Pa. Cost, \$4,500. Stable, two stories, 40x60 feet, 4635 Mulberry street.

St. Valentine's Polish Church (O), Melrose and Margaret streets. A. Johnson (C), 4267 Salmon street. Cost, \$15,000. Church building, stone, two stories, 50x90 feet, Melrose and Margaret streets.

George Sibold (O), 131 East Wyoming avenue. Cost, \$2,200. Dwelling, brick, two stories, 16x45 feet, Front and Loudent sts.

F. W. Kraiter (O), 1413 Hunting Park avenue. W. H. Schultz (C), 3340 North Carlisle street. Cost, \$7,900. Two dwellings, three stories, brick, 16x45 feet, 1409-11 Hunting Park avenue.

Eile Taube (O), 1003 Duncannon avenue. Cost, \$3,000. Two dwellings, brick, two stories, 16x38 feet, Eighty-second and Crothers avenue.

W. B. Schock (O), Chestnut Hill. Cost, \$2,600. Two dwellings, brick, two stories, 14x60 feet, Chestnut Hill.

J. W. Orr (O), Bustleton Pike, Bustleton, Pa. Cost, \$4,000. Two dwellings, brick, two stories, 16x54 feet, 6620 Torresdale avenue.

George W. Bourne (O), 5025 Hazel avenue, Cost, \$60,000. Twelve residence, brick, two stories, 16x37 that Sixty-first and Locust streets.

## Alterations and Additions

Mary C. Clare (O), 1305 North Broad street. J. M. Johnson (C), 1125 Locust street. Cost, \$1,000. Garage, 1115 Locust street.

Knickerbock Lime Company (O), 366 North Twenty-fourth street. Cost, \$4,000. Sand Bins, 356 North Twenty-fourth street.

St. John's Evangelistic Lutheran Church (O), 511 Race street. C. J. Williams (C), 3200 Arizona street. Cost, \$1,500. Church.

City of Philadelphia (O), City Hall. Ed. Fay & Sons (C), 1521 Ranstead street. Cost, \$8,500. Engine House, Fifteenth and Snyder avenue.

Pennsylvania Salt Mfg. Company (O), Greenwich Point, Pa. Belmont Iron Works (C), Philadelphia. Cost, \$6,000. Factory, Greenwich Point, Pa.

Mary A. Furlow (O), 3003 Washington ave-



**PARADUX CANVAS ROOF COVERING**

For Covering Porches, Decks, Roof Gardens, etc.

PARADUX is the Ideal Covering for all Roofs on which Continual Walking is done.

Send for Sample and Prices

**THE FRANKLIN PAPER CO., Inc., 718-720 Cherry Street, Phila.***Distributing Agents*

nue. J. G. Furlow (C), 315 Grafters avenue, Atlantic City, N. J. Cost, \$1,200. Factory, 2020 East Willard street.

Bell Telephone Company (O), Fifteenth and Arch streets. F. W. Van Loon (C), Denckla Building. Cost, \$7,00. Offices, 406 Market street.

United Gas Improvement Company (O), Broad and Arch streets. Cost, \$2,000. Pump House, Tioga and Delaware avenue. Cost, \$2,500. Generator, Point Breeze.

W. J. Letta (O), Burlington, N. J. E. H. Sturts (C), 2614 Ridge avenue. Cost, \$1,800. Store, 41 South Seventeenth street.

Charles Burger (O), 2710 Columbia avenue. J. H. Mahan (C), 1029 Montgomery avenue. Cost, \$1,800. Stable, 1625 North Twenty-eighth street.

J. V. Merrick (O), Germantown, Pa. Ed. L. Cuthbertson (C), 334 Roxborough avenue. Cost, \$1,600. Starting Room.

George Krout (O), Thirteenth and Oak lane. A. R. Raff (C), 1635 Thompson street. Cost, \$1,000. Dwelling.

F. J. Heppe (O), Pelham and Cresheim road. Roydhouse-Arey Company (C), Fidelity Building. Cost, \$5,000. Residence, Pelham and Cresheim road.

J. S. Disston (O), Chestnut Hill, Pa. James W. Castle (C), 8820 Germantown avenue. Cost, \$2,000. Stable and Garage, Chestnut Hill, Pa.

Archbishop E. F. Prendegast (O), Eighteenth and Summer streets. W. J. McShane (C), 417 South Thirteenth street. Cost, \$5,215. Church, Miller and Allegheny avenue.

August Schambacher (O), Germantown avenue and Cambria street. Philadelphia Building and Construction Company (C), 810 Heed Building. Cost, \$1,200. Stable, 3936 Dill street. Cost, \$1,900. Dwelling, brick, two stories, 16x51 feet, 3936 Dill street.

Harry Foster (O), 2801 North Twenty-second street. Cost \$1,500. Office, Twenty-second street. Cost, \$1,500. Office, Twenty-second and Somerset streets.

Penn Laundry Company (O), 313 North Thirty-second street. J. Bird Company (C), 213 North Eleventh street. Cost, \$2,400. Laundry.

Pennsylvania Hospital (O), Forty-fourth and Market streets. J. B. Founders (C), 1329 Arch street. Cost, \$1,470. Boiler House, Forty-fourth and Market streets.

Presbyterian Home for Aged (O), Bala, Pa. J. E. & A. L. Pennock (C), Land Title Building. Cost, \$17,000. Home, Balla, Pa.

**WHAT ADVERTISEMENTS MEAN TO THE CONTRACTOR.**

Advertisements may be grouped into three classes: first, publicity cards; second, reading advertisements that tell of products; and third, educational advertisements. The first is not of great value, except to the advertiser, and then only when some purchaser is sending to a number of dealers or manufacturers for catalogues or prices. Such an advertisement consists only of the name and address of the seller and the article or articles for sale. Inquiries or sales from such advertisements are seldom numerous. Reading them does no one any good.

The second class, namely, reading advertisements, may not only educate the readers, but may be the means of saving them much money. Such an advertisement contains a lot of print telling of the products advertised, either the work they will do or how they are manufactured and kept in stock, or it may tell a story, by reproduced letters or otherwise, of the success of some users.

The third class, educational advertisements, are similar to the second, except they are given over entirely to educating the reader. It may be that at present the reader is not a possible purchaser, but with the proper education he may soon become one. Such advertisements may be devoted entirely to instructing the public concerning an article manufactured and sold exclusively by the advertiser, but may also be used to boost a product of similar grade made by a number of manufacturers. Then the advertisement may do almost as much good to other manufacturers as to the advertiser who is paying the bills. This was the case a few years ago, when one of the leading cement companies spent thousands of dollars in educating the general public in the use of cement. This was some benefit to all the cement companies, but gave the one which paid the bills some prestige over the other companies.

All reading advertisements, both those referred to in the second and third classes, can be, and generally are a benefit to the reader. Advertisements, as a rule, are worded as strongly and as strikingly as the truth will permit, and for this reason they are impressive and may start new ideas and chains of thought in the mind of the reader.

An evidence of the power of publicity is the use of concrete mixers. Ten or fifteen years ago few were used. At present thousands are in use, and those that are best known and used most extensively are the most advertised ones.

The introduction of machines on contract work means the saving of thousands of dollars over hand labor to contractors. If a contractor does not read advertisements, he cannot keep himself posted concerning new machines that are placed on the market. To-day he may not need a certain new machine, but within a year he secures a new job upon which such a machine can be used. His mind at once reverts back to the advertisements he has read. Possibly, the name of the manufacturer is impressed on his memory. He secures a catalogue or hunts up an old one, makes a purchase and reaps an added profit on his work. Knowing of such a machine, it is perhaps possible for him to underbid his competitors who are not readers of advertisements and to secure the job, when other-

**Hardwood Floors**

Our work and methods receive the voluntary approval of the leading Architects and Builders. This only comes from using proper materials, employing careful, competent mechanics, systematic supervision and quoting rock bottom prices.

*If we can serve you send for our estimator and let us show you.*

**Strawbridge & Clothier**  
Phila., Pa.

**KANT-KOROD**

(RUST INHIBITIVE PAINT)

Has No Equal for Metal Protection

**PYRAMID PAINT CO.**

131 N. 22nd St., Phila., Pa.

Makers of Paint for Every Purpose

**CONCRETE PAINT**

Decorative &amp; Protective

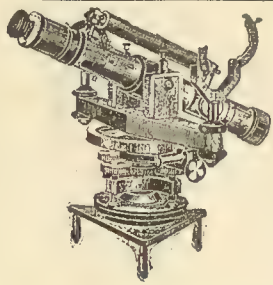
**W**HEN one, or two, or three dollars (according to the selling price) will put a Gas Range or a Gas Water Heater in your house at once, do you think you can afford not to have both appliances? The small monthly outlay is no strain on the purse, and the saving in fuel soon pays the cost of the range or water heater. Send to your nearest Gas Office for representative to explain.

**The United Gas Improvement Co.**

wise he would not have been among the low bidders. Such things have actually happened not once, but many times.

New uses for old machines are also told of in the advertising pages of the technical





## LEVELING INSTRUMENTS

Levels and Transits for Architects, Builders and Contractors, from \$15.00 to \$115.00.

Second-Hand Engineers' Instruments in excellent order, at interesting figures.

**GREAT BARGAINS**

No. 6183

Convertible Wye Level with 12 in. telescope, achromatic lenses, with tripod and trivet. In finely finished box, \$60.00

**F. WEBER & CO.**

1125 Chestnut Street, Philadelphia, Pa.  
Measuring-Tapes, Level Rods, Blue Printing

## Return Tubular

steam boilers in units up to 200 H. P. are the most economical to-day. They are now the product of the best thought workmanship and experience of thirty years, and owing to the fact that they are standardized and made in great quantities by us, are the lowest in first cost and maintainence.

Our boilers are built to meet any insurance or City laws.

**LINDEMANN ENGINEERING CO.**

Office: DREXEL BLDG., Phila.

Works: 30th & Chestnut Sts.

papers. A contractor finds that a certain machine is well adapted to some new class of work and informs the manufacturer. This information is published in his advertisements and the readers of them reap this benefit at once instead of waiting to discover it by chance, as did the original contractor.

As descriptions of machines and their uses, so methods of work and many good ideas as to management of a business are found in advertisements. One steam shovel company has for years published advertisements illustrating methods of doing certain classes of work. Another company selling some classes of excavating and rehandling machinery has told in its advertisement much that is of value in reducing costs even to those who have never bought a thing from it, and possibly never will. A dump wagon company, in boosting its own products, has laid down many good business principles and valuable hints on buying.

Often an advertisement is meant for one purpose, yet it will start a chain of thought in the reader's mind that will lead him to thinking, so that he will originate new ideas or think out things that will be a benefit both to himself and others.—Extract from the "Contractor," Chicago.

## NEW INVENTIONS.

Reported especially for this paper by H. B. Willson & Co., Patent Attorneys, 715 Eighth street, Northwest, Washington, D. C.

A Complete Copy of any of these patents will be forward to any person by Messrs. Willson & Co., on receipt of ten cents. Persons ordering Copies must give Number of Patent.

Julius, Kahn, Detroit, Mich., assignor to Trussed Concrete Steel Company, Detroit, Mich., building construction. No. 1,033,106.

J. J. Malone, New Haven, Conn., door latch. No. 1,033,110.

J. L. Kail, Chicago, Ill., door hanger. No. 1,033,177.

J. H. Tolson, Claremore, Okla., cellar door. No. 1,033,214.

T. H. Kingston, West Somerville, Mass., combination support for scaffolding. No. 1,033,252.

Andrew Lochhead, San Francisco, Cal., door securer. No. 1,033,255.

William Cook, New York, N. Y., assignor to G. S. Terry, New York, N. Y., apparatus for building walls. No. 1,033,385.

W. C. Fritz, Chicago, Ill., scaffold. No. 1,033,389.

Julius Kahn, Detroit, Mich., assignor to Trussed Concrete Steel Company, Detroit, Mich., floor construction. No. 1,033,413.

Julius Kahn, Detroit, Mich., assignor to Trussed Concrete Steel Company, Detroit, Mich., structural member. No. 1,033,414.

E. O. Peterson, Elgin, Nebr., hollow wall molding system. No. 1,033,461.

### IF YOU HAD SOME ONE TO TELL YOU—

Who was building, where, the name of the architect and contractor, the kind of materials to be used, the cost, etc., in time for you to bid or work in your line, you'd consider him a pretty good friend, wouldn't you?

Well, this is precisely what The Guide tells you week after week, every issue, for fifty-two weeks in the year. And the cost of getting this information in your mail every Thursday morning is just \$5.00 a year.

**Less than Ten Cents a Week!**

And The Guide gives you, in addition to all this timely and valuable news of new building projects all the other news to be gathered in the building trades, such as

**Material and Equipment Notes.**

Keeping you informed on every new device, material or specialty introduced to the trade.

**"More or Less Personal."**

Giving you the personal gossip about men of note in the construction, architectural, material and engineering callings.

**"Editorial."**

Discussion by a trained observer of questions of trade moment, and a budget of less important features, including half-tone illustrations of new and notable bits of architecture and interior fittings.

**Are You a Subscriber?**

### THE BUILDERS' GUIDE

is the only paper devoted to building material and equipment interests in Philadelphia—the only architectural and construction organ in the State of Pennsylvania, and the most readable and progressive trade paper of its class this side of New York city.

If you are not a subscriber—subscribe now.

If you are a subscriber let us have the names of some of your friends who would

be likely to be interested in a paper of this kind. Or send us in a club of five subscribers and we'll send you a premium well worth your time. Or—

For three subscriptions we will send you the paper free for one year.

We want 10,000 paid subscribers to the Builders' Guide before the close of 1912.

Won't you help your home trade paper to realize this ambition?

Lend a hand.

We have an attractive proposition to make to a few good subscription canvassers. The other kind need not apply.

**BUILDERS' GUIDE,**  
Perry Building, Philadelphia.

### AN EPITAPH.

Here lies the remains of Jonathan Wise,  
Who all his days schemed to devise  
A way to reap fortune's golden prize,  
And failed, 'cause he wouldn't advertise.

Advertise! The minute you stop advertising you lose ground. You may not feel this loss right away. But you must feel it in the end. Advertising is the dynamo of modern business.

The trouble with some advertising is that it is like the conversation of certain people—it never says anything.—"Novelty News."

The expert assistance we give our advertisers in the matter of preparing copy so as to make it tell is, in itself, worth all the money they spend with us. Our services in this avenue are at the disposal of every "Guide" advertiser, present as well as prospective.

The man that doesn't advertise nowadays is a barnacle. And he ends up like a barnacle by being scraped off.



## Architectural Notes

Prof. Pierre Roveda, an architect of Buenos Aires, has devised a special plan for the construction of whole districts of houses for the working classes. Instead of employing the usual square block as a unit, Prof. Roveda adopts a circle varying in diameter from 100 to 130 yards. This circle of ground is subdivided into 99 radial lots converging to a center. The circle is concentrically divided to form an interior avenue four yards broad, to permit of communication with the center of the circle. Each avenue leads to external side-walks and to longitudinal and transverse streets. In the center of the circle is a plot of 40 yards in diameter, where children may be left to themselves without their parents' care, in charge of a specially designated person. In this garden a playroom, a school, a hospital, a fire station, and an administration room are to be found. Naturally this circular plot of ground will leave four corners free. In each of these corners Prof. Roveda intends to erect four chalets, such as grocery shops, dairies, haberdasheries, and the like, which are to be conducted on a co-operative plan. In each of the 99 radial plots a workman's house is to be built on the English plan. It is argued that the circular arrangement will give continuous sunshine at all hours of the day and plenty of light and air.

\* \* \*

John C. Cebrian, retired capitalist and formerly well known as a civil engineer and architect of San Francisco, has just been knighted by King Alfonso XIII of Spain for distinguished services and achievements in art, architecture and literature. Cebrian was named knight commander of the Order of King Alfonso XIII, the last week received the decoration of that order, which is one of the highest given by the Spanish court. The decoration consists of a cross showing an eagle with outstretched wings flying before the rising sun and is surmounted with the arms of Spain and the crown of Alfonso XIII. Cebrian was a native of Spain, but has spent most of his life in San Francisco. He won early recognition for his work, and during the last few years has gained particular distinction for his valuable gifts of books on art and architecture to the University of California and to the library of the School of Art and Architecture in Madrid.

\* \* \*

The little features, the small details on a building count mightily, oftentimes far more than most of us give them credit for. We

may call them architectural over-refinements, super-niceties; perhaps, if you will, architectural finickinesses, but at the same time they count for a great deal, and they must be taken into serious consideration. Some little detail, some comparatively small features, will make or mar the whole character of a building. Overdoor inscriptions and devices are small things in themselves, but fraught with import entirely incommensurate with the space they occupy, writes H. D. Eberlein in "House and Garden." They sound the keynote, so to speak, of the house over whose door they stand; they set forth its character in brief; they indicate, or ought to, the attitude or some distinctive phase of the attitude of the occupants toward the outside world.

\* \* \*

We must look at overdoor inscriptions and devices from two absolutely different points of view. On the one hand, they are to be judged on the ground of the sentiment involved in their use; on the other, they are to be regarded in the light of their architectural value and propriety as purely decorative features. The overdoor inscription or device is, one might say, the mouthpiece of the door. Doors so supplied are as much more expressive than doors without, as people with the gift of speech are more fortunate than their brothers with sealed and speechless lips. It is natural, perhaps, and more to be expected than anything else, that on overdoor inscription or device should express some sentiment of greeting, just as one expects the master or mistress of the house to extend, first of all, a welcome to the newly arrived guest.

\* \* \*

There are a dozen ways and more of securing the desired expression without resorting to the commonplace and threadbare word "Welcome" or its almost equally threadbare Latin equivalent "Salve," which is only one degree removed from "Cave canem"—certainly not a hospitable salutation—done in mosaic on a vestibule floor. Not only does the salutatory monosyllable betray lack of freshness and originality, but it is altogether too suggestive of the unspeakably dreadful "Home, Sweet Home" mottoes and their like done on perforated carding in vari-colored crewels, framed in rustic frames and hung on cottage walls, along with their glaring chromo companions, throughout the length and breadth of the land. The allusion to "Salve" impels one to remark that an overdoor in-



No Springs  
Perfect Ventilation  
Easiest Operated  
Suitable for all Classes of buildings

### The New Model Awning

BERNARD McCURDY  
N. E. Cor. 9th and Arch Sts., Phila., Pa.  
Both Phones

### Dixon's Silica-Graphite Paint

Sets the Standard  
in protective paints.

Joseph Dixon Crucible Company  
Main Office and Works, Jersey City  
Philadelphia Office, 1020 Arch Street

scription in a tongue not generally "understood of the people" is apt to savor a bit of pedantry, and that is always a wearisome thing to all but the pedant.

The use of overdoor inscriptions and devices is somewhat analogous to the use of shingles and pictorial signs before hostleries and on shop fronts. The signs and shingles tell something about the inn or the business of the shopkeeper; the inscriptions and devices, cast in politer and more subtle mold, are designed to be an index to character and personality or to convey some appropriate sentiment with the reference to the house or the approaching stranger.

\* \* \*

The designing and placing of devices or inscriptions above doorheads afford a rare opportunity to architects to exercise both originality of conception and ingenuity of treatment. There are sundry kinds of devices to draw from and a considerable variety of materials in which they may be wrought, so that the range of possibilities is by no means limited. There is, to start with, the heraldic device which is almost invariably satisfactory in decorative work.

Unfortunately there seems to be in some quarters a prejudice against the use of heraldic ornament on the ground that it is un-American. In this connection it may be remarked that the fathers of the American Commonwealth, from Washington down, saw no impropriety in using their armorial bearings in the same way and to the same extent as their British cousins.

Then next there is the device of purely fanciful or dramatic import. Beasts, birds, flowers and mythical persons or creatures furnish a practically inexhaustible succession of motives promising for elaboration. Another

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kind of device is talismanic in character and has reference to a mass of superstitions and their bearing. They were once held to ward off all manner of ills from the occupants of the house or to bring them sundry sorts of good fortune. Their history gives occasion for the introduction of many quaint and pretty conceits of design and treatment, as is also the case with certain symbolic emblems to which they are closely allied.

There is something so subtle about the influence of fashion that we oftentimes are swayed by it much beyond our better judgment, or even became madly subservient to a single idea which is as persistent and enduring as the Rock of Gibraltar. At present the false lights of delusive fashions in interior decoration are being rapidly extinguished by calm judgment and intelligence. But not all the atrocities are gone. Only recently we encountered a real den, says an editorial on "The Passing of the Den" in "House and Garden." Do you recollect the den? It was only a few years ago, or perhaps you still have one. That was the one irregular concession to the man of the house. It was as though there were a firm belief that there must be some irregularity in a house just as there were such sides to each individual, and with the house this should be strictly confined to one small district. Indeed, the man himself soon was wheedled into the belief that the room was a sort of East of Suez Bohemia where he could smoke and entertain "the boys."

The way this atmosphere of minor conviviality was created was generally by yards and yards of green, red, and yellow fabric draped in involved folds over a curtain pole tipped with a great halberd head—from the ancient feudal stronghold of I. Eisenstein on the lower reaches of Fourth avenue. This drapery shaded a couch covered either with

a prickly, unshaven Bagdad or an unnamed material with little pried pieces of mirrors woven inextricably into its texture. From the folds of the lounge depended a lantern with more spiked projections than appear on those apoplectic fishes that are so often used as a moral decoration—moral because they act as a continual warning to be moderate in eating lest you be suspended by the nose, wear a very surprised expression and belie your apparently well-fed appearance by being full of nothing but air and cotton.

\* \* \*

At handy juxtaposition to this comfortable catafalque for lying in state, an Indian tabourette was usually placed proudly bearing an instrument or machine that looked like a cross between an octopus and a barber's bay rum bottle. Inquiry usually revealed this to be a nargileh which the friendly aid of the dictionary rendered somewhat dimly comprehensible as something to smoke; though why any one should deliberately fill his pipe with water when the liquid tendency of the ordinary pipe is the only thing that allows a sale for cigars and cigarettes, is something we have never been able completely to understand.

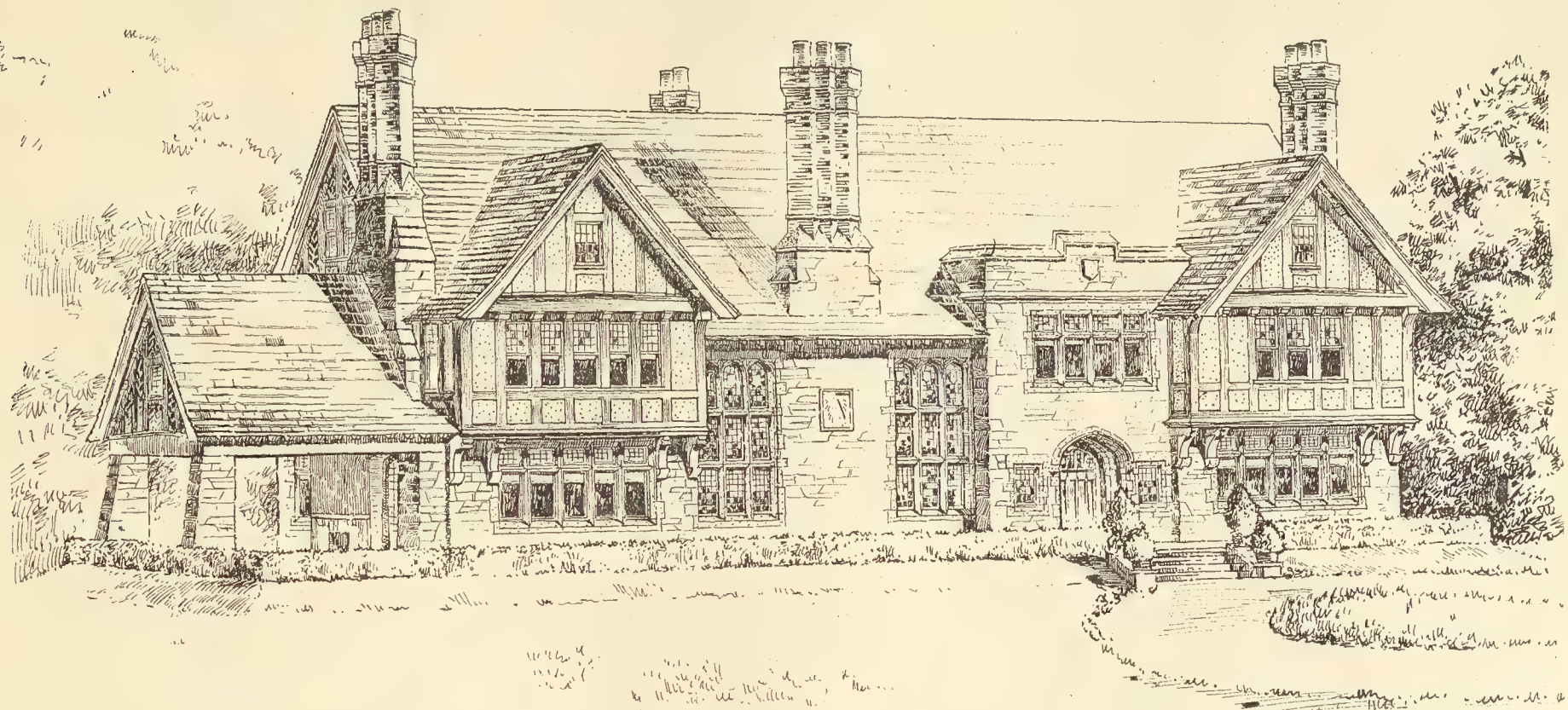
Besides these inviting attributes, an immense collection of various bric-a-brac was always present. Civil War muskets leaned precariously in corners and continually darted at one's ankles; papier mache shields and spears adorned an otherwise peaceful mantel; peculiar tin pars, plaster casts of Zouleika, strings of Chinese coins, swords and helmets—every corner was occupied with some fantastic object. Not to be impartial and to give an all-eastern effect most of the States in the Far East were represented, though one always suspected that it was by proxy with deputies from no farther distance than the East Side.

Such was, perhaps still is, the den. It even stimulated some dwellers in apartments to build houses just for the delights of this one room. And now it is fast disappearing. Perhaps the causes of its decline were natural. Few men could lead an active American life in the daytime and attempt to find comfort in a place that was uncannily suggestive of the Chamber of Horrors. Then, too, even the most hardened tobacco devotee found the absorptive qualities of so much drapery unpleasant to the olfactories after any amount of smoking.

\* \* \*

Best of all with the den's decadence has come a sane and admirable substitute. In the country houses where the living quarters are all on the first floor there is need of a semi-formal and an informal living room, the one for visitors—guests of the eldest daughter, perhaps—and the other for the privacy of the home circle. With two such rooms it is unnecessary for certain members of the family to retire unceremoniously upstairs to the bed chambers at the ringing of the front door bell. This present-day den is built for comfort, is natural and does not require any such false description as "cosy." It con-





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tains those wide easy chairs which, though they may not have the distinction of belonging to any period or country, are satisfactory and wear well. A broad table, low lights, a fireplace, perhaps a desk, form the rest of the furniture. It takes up no more actual room than the den, but makes the house seem many times more commodious. Since the den is dead we hail its successor, for it relies on no fad or fashion as an excuse for being, but has its existence simply on the one basic fact—utility.

### BUNGLING THE BUNGALOW.

The bungalow appears to be the purple cow of architecture. Very few New York architects seem to have built one, and they would all rather see than build one.

"I don't know what I should do if I were asked to build a bungalow," a New York architect said to the "Sun" reporter, "but I now have no very definite idea of what such a building is. I know that the word comes from India and means a small house, usually with a thatched or tiled roof. But the original significance of the word is slight nowadays for us. I at one time supposed that a bungalow had only one story, but I soon saw pictures of them with two stories. I supposed it was a low building stretching over the earth, but I later saw bungalows that looked like a Swiss chalet. Then I supposed they were made of wood, but I now hear that they are as a matter of fact built in all materials, from stone to brick. In fact, many of the so-called bungalows that I have seen seem to be, at the remotest, first cousins of an ordinary cottage. Perhaps a one-story cot-

tage, with its dominating dimensions, length and breadth rather than height, is what a bungalow has come to mean." Continuing, the "Sun" says:

There are much more definite descriptions, however, of a bungalow than this architect admitted. Probably the fact that the bungalow was first built in the West, and in Southern California has been produced in its best estate, has led Eastern architects to be a little snobbish about it. They like to remain ignorant of something which, if not created, was at least brought to its highest expression of architectural style by their colleagues in the West. One definition of a bungalow that comes from this quarter is that the difference between the inside and outside of such a house must be reduced to a minimum. It will be seen, however, that this description applies more properly to bungalows built in a climate very different from our own.

As a matter of fact, the bungalow seems to be any kind of small, inexpensive villa, most frequently of wood, in which the architect makes a deliberate attempt at picturesqueness rather than rigidity of outline that used to be characteristic of inexpensive houses.

Undoubtedly the houses built in India and other tropical countries for the use of foreigners who went there and built these modest structures to house them during their temporary stay were prototypes of our suburban villa to-day that we call by the same name. Our bungalows since they migrated eastward from California have acquired characteristics which the houses they are modeled on could never have possessed. It was all very well for the builders of California bungalows

to keep in mind the characteristics of these habitations, as they were built for warm climates. The plentiful supply of shade, the necessary arrangement for the abundance of air and the imperative cheapness in construction could well be kept in mind. Apartments large but few in number, many doors and windows, the rather casual arrangement of all domestic details were almost as appropriate to the California home as they were to those put up in India, but they would never do in New York or any of the regions in which the bungalow is regarded as anything more than a home for hot weather.

The California bungalows, the pictures show, are strong in the suggestion of Japanese origin. That characteristic scarcely exists at all in the bungalows built on Long Island or anywhere about New York unless it is found in the height of the buildings and the lines of their predominating dimension. It might, of course, be easy to say that if the bungalow requires adaptation to our needs it is necessarily out of place in such a climate. There never was a time, however, when any convenience in architecture was willingly abandoned by people because it was not artistically appropriate. That the bungalow has come to stay as a popular form of summer residence nobody doubts. It seems just as certain that it will be used for winter residence also to the same degree that it is in California.

The great advantage of the bungalow is its cheapness and the certain element of picturesqueness that most of them possess. While it is of no importance in our climate except in summer months that a bungalow should im-

(Continued on page 506.)



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## Editorial Comment

One of the features associated with the recent San Francisco City Hall competition was the exclusion from participation of any but San Francisco architects. At the risk of displeasing some of its readers "The Guide" does not hesitate to express its hearty approval of this much-criticized feature. Architectural skill is not to-day confined to any one section of the country. In every city of any consequence men can be found equal to local requirements, whether architectural or structural. This being the case, there does not appear to be any good reason why these requirements should be met by the engagement of outside talent. Moreover, that which holds true of architectural competitions holds equally true in the matter of private commissions. "The Guide" has on more than one occasion felt the humiliation implied in the engagement of architects from other cities to design important buildings here in Philadelphia. The fact that the buildings thus brought into being happen to be exceptionally good samples of the most approved and modern architectural treatment does not in the faintest degree justify the gratuitous slight offered Philadelphia practitioners.

If it be urged that we have no Burnhams or Stanford Whites here in Philadelphia, it may be said in reply that we have a dozen men any one of whom could have supplied designs equally striking, artistic and utilitarian for the same sites and the same commercial demands.

\* \* \*

San Francisco's new City Hall, while not perhaps a triumphant artistic tour de force, is in every sense a creditable and distinguished piece of highly intelligent designing. It will compare, in our own humble judgment, with anything of the kind attempted elsewhere with the additional advantage of standing forth to the world as San Franciscan throughout.

The San Francisco competition had some other features worthy of comment. For example, in this competition twenty of the competing architects are to receive a thousand dollars each. The winner is to receive nearly fifty thousand dollars, assuming that the winning firm supplies the preliminary plans only. In the event of the successful architects carrying the work through to completion, their recompense will be six per cent. of the cost of the building. And this cost will be not less than four million dollars.

Why should a prize of that size be permitted to go to "outside" architects while it is at all possible to get skill of the right type near at home?

\* \* \*

"The Guide" believes in "Home Rule" for Philadelphia as strongly as for San Francisco.

One of the Directors under the present administration of the city's affairs shows a tendency to go to other cities for what he is pleased to call "engineering skill." Have we no engineering skill here in Philadelphia, that it is necessary to dig men up from outside obscurity to come here and do things for us?

"The Guide" feels pretty strongly upon this subject and holds to the opinion that it is about time for Mayor Blankenburg as a loyal Philadelphian to step in and call a halt.

Philadelphia has done some pretty big things in an engineering sense within the past fifty years, finding it necessary upon but one occasion to call in an outside engineer in the person of Major Cassius Gillette, of whom nothing more need be said than that he did not finish the filtration plant nor did he succeed in sending to prison any of the men so loudly charged with fraud in connection with it.

\* \* \*

An article in the current number of "The Architect and Engineer," of California, brings out in a clear and lucid way just how San Franciscans feel about this very successful competition, citing incidentally certain defects in the program therefor that apply as pertinently to programs for competitions elsewhere as in the San Francisco case under discussion.

\* \* \*

"From the cash prize point of view," says the writer, Mr. B. J. S. Cahill, "the recent San Francisco City Hall competition was the biggest ever held on the Coast. In the Phoebe Hearst competition for the University of California, eleven firms received twelve hundred dollars apiece. The winner got ten thousand and an additional six thousand for revising his drawings. In the competition just held, twenty men are to receive a thousand dollars each and the winner nearly fifty thousand, assuming, as in the case of the University competition, that the winning architects supply the preliminary plans only. In the event of the successful architects carrying the work through to completion, their recompense will be six per cent. of the cost of the building. And the cost will not be less than four million dollars.

"But whereas the University competition was open to the whole world, including Japan—the San Francisco City Hall competition excluded all the world—even Oakland. In the first competition, although the buildings were to go up in Berkeley, only three men from California competed. In the City Hall contest the plans judged were seventy-three. The writer has urged the benefit of confining competitions to one locality. But outside of the rather sordid notion of keeping



the money at home not much advantage from an artistic standpoint really comes of local effort. The modern world knows nothing of intellectual or artistic isolation such as prevailed in olden times. With our designers all brought up in the same school, or taught by teachers from the same school, the aims and ideals of all of us are similar. In this broad land the universal tendency is towards a common standard, and the common standard is set by the few men who achieve the largest success. Books, photographs and periodicals spread the work of the current year equally before the eyes of the entire architectural craft. If there is any difference developed in different localities, it is not that New York and San Francisco are going different roads towards different architectural goals, but that one merely lags behind the other in making for the same goal.

\* \* \*

"In reviewing the result of an important competition it is well to bear this in mind. Those of us who imagine that such an enticing appeal to the talent of a town would bring out local characteristics or new tendencies were woefully disappointed. There were not lacking schemes of originality, modernity and daring. Some designs were unhackneyed in treatment or unfamiliar in form. Some of the 'partis' were departures. A few of these were encouraged, but not all. Surest encouragement and victory itself went to the perfectly obvious, the two-court plan, even the four-court plan and the inevitable dome—the dear old comfortable fat familiar dome! It may be that in this instance the safe conservative thing offered was so attractively served that it won out over fresher offerings not so well served up. The new City Hall, as we all know, must be finished by 1915. For work to be done in a hurry, and municipal work at that, no doubt it is wise to choose the 'regular thing.' Even in modern work where time is not such an important element there are good arguments in favor of adopting some typical form or feature that has been done well, and done often rather than risk failure in attempted creations of our own. The leading architectural firm of the country has shown how successfully this can be done. The progressives in the profession who lament that the chosen design is a generation behind the times might take consolation in the fact, too, that public work must almost necessarily be behind the general line of march. It indicates the architectural status of the community en masse, rather than the standard of the cultivated few. A City Hall design should please the people rather than the profession. It should express the voters' idea of architecture rather than the ideas of the votaries of architecture. And perhaps after all this community judgment is the best of all judgments in the long run.

\* \* \*

"And architectural competition consists of a trinity of elements, all equally important,

namely, the conditions, the competitors, and the critics. If the first and third are unsatisfactory there will be none of the second.

"The program for the City Hall was attractive in its remunerative aspect, although not without puzzling features in detail, and, worst of all, an indeterminate sit. An old proverb has it that between two stools one falls to the ground. A building schemed to sit on two sites is in similar danger to a man on two seats. This was the case in Portland. The Auditorium competition was programmed before the site was finally and fully determined. The need was generally expressed to have a completed building within a year. This is, comparatively speaking, about the same rate of speed needed for our City Hall. With the usual wasteful haste so typical of some of the unwise men of the West, the matter calling for deliberation was hurried, and the negotiations calling for speed were postponed. The result is that, although it is a year since the program was issued and although plans were selected in desperate haste, the site is not settled yet nor the building begun. Portents are not wanting, to those who can read them, that a similar fate awaits us here in San Francisco. It is devoutly to be hoped that it is not so.

"As a matter of fact, the new site created for the City Hall by cutting the original triangle up and adding part of a street to square up the balance was not necessary. But the mania for uniformity and formality—for straight streets and square buildings—seems to override every other consideration. One would welcome a curve, a bend, an angle or a little irregularity. We already have hundreds of miles of straight streets and hundreds of rectangular blocks. The old line parallel to Market street might have very well been retained. An approach could have been made to the City Hall by an oblique widening of McAllister street. We could well have spared so much squareness and straightness in the Civic Center plan had we a little more of those attributes in the way it is being carried through. The owners would appreciate a square deal in the matter of prices and the public generally would be better served by straight-forward announcement of the city's intentions at the start rather than by the tortuous method of trapping the public into one course of action after baiting it with promise of another.

"A change of site, moreover, while it may have made no difference in the judgment of the plans, certainly does make a difference in the fitness of the building. For example, the Van Ness site does not require the dominating monumental feature to be in the center of the building mass at the intersection of two axes. Nor is there any need of clipping the corners of the block. Had these two restrictions been absent from the beginning the entire character of the competition would have been different. The announcement of the change before closing the competition was an extremely ill-advised procedure, and in spite of all solemn announcements to the con-

trary it is perfectly clear that the change worked an injustice on some of the competitors. The more conscientious and ingenious the architect, the greater would be his handicap.

\* \* \*

"Let me explain: A designer in laying out the first dummy scheme on the most obvious layout—the four courts—would soon learn that in accommodating the departments properly and allowing sufficiently for real circulation that there was not enough 'cubage' left over for monumental circulation on a scale big enough to warrant a great dome. And his architectural instinct would warn him that the only dome that could rise from the center and dominate a building 300x400 feet must be a very big one. And a dome, besides being big, must be hollow. Right instinct would warn our architect against attempting to put any departments in a dome. He might also argue that a dome is a recognized feature of a State Capitol or County Seat, at least it seems to be generally so understood. For these reasons he would turn down the dome idea at the outset. The program will not permit it, nor is it suitable for a City Hall. He would then turn to the tower as the monumental feature. A tower may with propriety be used to house certain overflow departments. But a tower arising from the middle of a rectangular ring of pavilions is again bad architecture. What is to be done? What is the answer? If our architect realizes that this is the crux of the problem, as he should, he will devote all his energies to finding it. From much hard thinking and a try-out of many partis will come some solutions about as follows: One idea will be to abandon the central monumental feature altogether. Another, not so clever, will treat it in a wholly subordinate way. A third consists in striving to bring the tower down to the ground by putting it in an open 'cortile' of a 'U' shaped scheme with a peristyle across the open end. Carrying logic still further a quite brilliant solution lies in the 'I' plan, which allows the tower to straddle the stem and touch ground on both east and west sides. If to this ground plan, the council chamber be added so that one-half becomes an 'E' and if the three protecting pavilions be united with a peristyle on the supposed Civic Center side this would yield on the whole the most satisfactory solution. A high galleried nave ploughed lengthwise through the center of the stem would yield concentrated yet monumental circulation serving all departments at right angles to this nave or at each end of it. There would be no long corridors and no inner light courts and no need of wandering round and round in a ring or system of rings which in some of the plans submitted seems to have been mistaken for 'circulation.' Perhaps the word is to blame. 'Circulation' unfortunately means anything but wandering around in a circle. If there must be such a condition it should occur in the monumental region and not along isolated, thin, dark passages.



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"Now, the architects who thought out their problem along these lines evidently wasted their time. They stood no nearer to winning than the men who designed thin, inadequate or illogical domes, or those who carried tall towers up and out of a clutter of tiles and skylights. So also did those conscientious designers waste time who took to heart too seriously the odd chamfering of the block's corners. The view from Marshall square naturally appeared of great importance to many. But since every one of the judges knew that the building would probably not go up on Marshall square at all—these efforts again acted as a handicap. The man who was not particular about these things stood as good a chance as the conscientious man who was particular about them.

\* \* \*

"There used to be a saying among builders when competition was keen that the only

way to secure a contract was to overlook an item or make a mistake. And there seems a sort of truth in the remark made to the writer that the only way to win a competition is to ignore the program. To put it another way, the man who religiously adheres to the program, has a small chance of winning. In fact, nowadays everything seems to be against the conscientious man. In business, sport, and politics, as well as in the professions, it is the same story.

"These remarks are made, not to cavil at the chosen design, but to draw attention to the fact that the winning architects had a conception that so obviously transcended the conception of the program makers. A competition is interesting and fair in the proportion that the conditions are interpreted in the same spirit by everybody. There is something wrong with any program which leads one able competitor to omit a central monumental feature altogether and another to allot a sixth of the entire floor to one. It certainly is worthy of note that this one central feature which is by far the biggest one thing in the winning design, the biggest thing in all the designs—that this huge dominant feature should be covered so casually in the program which says that such a thing may be introduced! Why should this big feature be a matter of indifference at the outset, and of prime importance at the finish? In the words of Hashimura Togo—"We inquire to know."

### BUNGLING THE BUNGALOW.

(Continued from page 503.)

part to its occupants the feeling that they are living out of doors, there is an undeniable lack of formality about residence in this form of house. While a brick bungalow would not seem to, purists in style a very congruous structure, yet it would have an element of novelty and interest that a brick cottage probably costing not more than the bungalow did could never possess.

Then the bungalow is just as unpretentious as the cottage, although it is much more tasteful and indicates more cultivation in its occupant than a cottage ever would. It seems to be an element of every bungalow that it should never count very strongly on the landscape. In California these houses with their long low roofs and their deep piazzas seem to cling to the earth. They are as much a part of it in nearly every case as they are of the trees which surround them. Such effects are, of course, more strongly supplied when the material of the bungalow is native. Since native woods are chiefly used for building the California bungalows, they have this element of artistic merit over those of the East, in which all kinds of materials are used.

It is undoubtedly true that the bungalow type has not yet reached the consideration it deserves and the commission for designing these buildings is so slight that architects of established position in the East do not care to trouble themselves about them. Some of the pictures show, however, how successfully these houses have been adapted to their sites,

even in this neighborhood. They have proved to be a very appropriate crown for a seaside bluff, or they cluster gracefully on the top of a small hill. In such sites it is only necessary that the general lines of the bungalow type should be followed. Of course, a wooden bungalow seems much more appropriate for this region, just as a brick might be regarded as the proper material for similar use in Pennsylvania and parts of Maryland.

But the bungalow is an imported style from which only the essential features can be drawn to suit actual American needs. So it is doubtful if the purist can find any grounds for criticism when details are left to the skill of the architect or the taste of the client. It is quite conceivable that a rough stone bungalow might fill the needs of this climate so long as it kept to the main suggestions that the bungalow has imported to American architecture. In these California houses it is customary to cover the walls and sometimes the roof with flowering roses or other plants suitable to the purpose, in order to make them seem as much as possible a feature of the atmosphere. It is inconceivable that a bungalow for this reason should require such treatment.

The bungalow therefore has come to mean for dwellers in this section of the United States the unpretentious substitute for the cottage. It is not expensive enough to reveal any very fine architectural treatment, but it can be made charmingly appropriate to its surroundings. It is convenient. In the majority of cases there are few steps to climb, and the arrangement of its rooms generally possess a compactness and conveniences, combined with a certain degree of formality that older houses never possess.

### WHAT ARE AGGREGATES?

Question.—Is it proper to speak of sand as an aggregate, or should we apply that name only to the gravel or broken stone?—G. M., Topeka, Kan.

Answer.—Formerly there was some confusion in the use of the term "aggregate." Sand which would pass through a quarter-inch mesh sieve was not called an aggregate, the term being confined to material coarse enough to be retained on a sieve with quarter-inch meshes. But this distinction was seen to be purely arbitrary; and inasmuch as the function of the fine material is the same as that of the coarse, both playing merely a physical part as space fillers forming the main body of the concrete, it is now the approved custom to include both fine and coarse materials under the same name of "aggregates."

All the ingredients which are bound together by the cement in a mass of concrete, are properly called "aggregates." The term is of Latin origin, and means things collected together in a mass.—"Cement World."

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## Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

\*\*A press dispatch under Paris date line reads: "The broad and stately avenue de l'Alma is rapidly being put in a state of siege. Both the roadway and pavement are blocked with enormous and unsightly heaps of sand and granite rubble and piles of tar bricks and cubes, the whole forming a rampart around an enormous machine whose cylinder grinds without ceasing from morning till night. The machine manufactures, it is said, a composition of incredible hardness—one that is able to defy the flying wheels of any traffic for ten years, while always presenting the same uniformly smooth surface. The cylinder simply crushes up granite and any other substances which it may be fed like walnuts. Finally it turns out a mixture that, combined with tar and cement, is to form the pavement of the future. The municipality is on the point of signing a first contract for \$5,000 worth on in self-defense, but its advocates claim that, on the contrary, it owes its durability in part to its smoothness and absence of friction."

\*\*Saving in one way sometimes involves in other ways added expense that more than offsets the prospective gain. Mr. Leonard C. Wasson, president of the Aberthaw Construction Company, Boston, states that in one case the saving of concrete by reducing the size of columns on successive floors was \$2.30 per column. On the other hand, the increase in form cost was \$5.70 per column, entailing a loss of \$3.40 per column.

This is a good example of why it is cheaper to use the same columns on successive floors than to reduce the dimensions. To avoid frequent changes in column sizes, the column reinforcement may be varied in successive stories.

\*\*The ancient conception of the seven wonders of the world was as follows: The pyramids, the hanging gardens of Babylon, the tomb of Mausolus, Temple of Diana, Colossus of Rhodes, the statue of Zeus and the Pharos of Egypt. The modern conception, as expressed recently at Cornell University, comprises wireless, synthetic chemistry, anti-toxins, radium, aeroplanes, telephone and the Panama Canal.

\*\*"Cheap John" contractors pay little attention to details that would go far to reduce the fire risk. If the air-space in walls or partitions at each floor level is cut off, even by causing the floor boards to be laid entirely across the space, this draft-preventative goes far to reduce the risk of fire spreading.

An excellent and at the same time cheap method of fire-stopping at each floor level consists in placing a layer of concrete on top of the floor boards between all studding.

\*\*It is a matter of more than ordinary interest that the production of asbestos in the United States is rapidly increasing. It more than doubled in 1911, and the increase was largely in fiber of the serpentine (chrysolite) variety, of which the best grades are spun and woven into fireproof fabrics for theatre curtains, motor-brake bands, and the like.

The finest asbestos thread yet spun carries a small percentage of cotton, and runs over two miles to the pound.

The total production of asbestos in the United States in 1911 was 7,604 short tons, valued at \$119,935, and it came almost wholly from Vermont and Georgia. A little came from Wyoming and Virginia. Canada, however, produced thirteen times as much asbestos in 1911 as the United States; and we imported for our manufacturers 62 per cent. of all Canada produced, and 83 per cent. of all she exported.

One of the most remarkable features of the asbestos industry in recent times is the growth of the demand for the lower grades. Being fireproof and an electric and heat insulator, asbestos is extensively used in the building arts.

The most striking new application of asbestos was made last September in Louisiana, in extinguishing a burning oil well from which 40,000 barrels of oil were escaping daily.

The finest asbestos yet found in the United States, comparing favorably with the best from any part of the world, is in the Grand Canyon of the Colorado in Arizona; it is not, however, easily accessible.

\*\*Another honor from a foreign society has come to Richard L. Humphrey, American engineer and president of the National Association of Cement Users. Mr. Humphrey has received notice of his election as a member of the Institute of Civil Engineers of England. Few Americans have been honored by the British institution, which includes such men as Alfred Noble, William B. Parsons, Samuel Rea, Howard G. Kelley, E. L. Corthell, Robert W. Hunt and Onward Bates. The British membership follows Mr. Humphrey's election as an honorary member of the Austrian Concrete Association and the French Society of Civil Engineers, indicating that his work in behalf of concrete in this country and his lectures abroad have been highly appreciated.

\*\*The Canadian government has reduced the tariff on cement by one-half, owing to the cement shortage in Canada. This reduction applies between June 12 and October 31, 1912. In this period, the duty will be 26 cents per barrel on importations from the United States.

The consumption of cement has risen very rapidly in Canada. In 1907, 3,100,000 barrels; in 1908, 3,100,000 barrels; in 1909, 4,200,000 barrels; in 1910, 5,100,000, and in 1911, 6,300,000. Nearly all the cement consumed in Canada is locally manufactured, the Canadian production being in 1907, 2,400,000 barrels, or 78 per cent. of the consumption; in 1908, 2,600,000 barrels, or 85 per cent.; in 1909, 4,000,000 barrels, or 97 per cent.; in 1910, 4,750,000 barrels, or 93 per cent., and in 1911, 5,600,000 barrels, 89.5 per cent. The importations in 1911 were only 662,000 barrels, or 10 per cent. Of this 441,000 came from the United States.

\*\*"Ferro-Concrete," London, says that in the discussion at a recent meeting of the Institution of Municipal Engineers on "Methods of Inviting Public Tenders," attention was directed once again to the popular but undesirable practice of accepting the lowest tender for works to be executed. It was pointed out by H. C. Adams that the tendency nowadays is to get work done as cheaply as possible, often at such a rate that the contractor cannot carry out the work honestly and make a fair profit. The principle of accepting the lowest tender is particularly undesirable in reinforced concrete work, because it leads to unjustifiably hopeful estimates of loads, bending moments, stresses, and the capacity of reinforcement for the resistance of stresses. That this is not an incorrect view is proved by many cases where the accepted tender has provided for far less steel—sometimes even 50 per cent. less—than the next tender.

\*\*At one of the recent meetings of the Association of American Portland Cement Manufacturers, Mr. Mallory, who is recognized as the "statistician" of the association, in a lull in the proceedings occasioned by the non-arrival of some speaker, rose to say that he had made some memoranda which might be of interest to the members. Taking the total annual production of cement in the United States, and averaging working conditions, etc., Mr. Mallory estimated that ten sacks of cement were produced every working second, or about a carload a minute. This is rather an unusual unit on which to base production, but is an interesting side light on the situation.

\*\*United States Consul Homer Brett, at Maskat, Oman, Arabia, writes that most of the houses in his district are built with flat roofs and that many of these are made of a sort of concrete, sometimes using a rather inferior native material for binding the aggregate and sometimes using Portland cement. They are covered with a plaster which is only approximately waterproof and which is easily broken, so that the people suffer a great deal in rainy seasons, inasmuch as the roof covering not only lets water through, but soaks full of water and retains dampness for a long time. Mr. Brett believes that there is a market in his district for waterproofing materials which may be used in such roofs.

\*\*As regards cost of building construction, New York City stands first, with San Francisco second, among American cities. In the latter, the high rates are due to the conditions



## Proposals

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For Vacuum Sweeping System, for the Administrating Building. For plans and specifications apply to C. M. Robinson, Inc., Richmond, Va.

W. T. BALDWIN, Chairman.

that govern the labor market; in the former, the difficulties are due to complexity of building laws.

In discussing this subject and that of simplifying legal building requirements, a writer in a recent issue of the "Record and Guide" gives some rather interesting figures showing the cost per cubic foot of construction in several of the leading cities. In New York City, construction is about 2 cents a cubic foot higher than in San Francisco, while in San Francisco, construction costs run from 12 to 15 cents more than in other cities similarly situated with regard to shipping and railroad facilities. As a matter of fact, construction in both New York and San Francisco should be lower than in Chicago, Denver and New Orleans, yet the range of cost for average buildings in American cities is as shown in the accompanying table:

#### Construction Costs in Various Cities.

City.	Cents per Cubic Foot.
New York (Greater) .....	23 to 28
Sanfrancisco .....	21 to 26
Chicago .....	20 to 25
Boston .....	20 to 23
Pittsburgh .....	20 to 22
New Orleans .....	19 to 20
Oakland .....	18 to 21
Denver .....	18 to 19
New Haven .....	18 to 19
Philadelphia .....	16 to 18

From the above it is apparent that the local operator in Greater New York has to pay more for the legal requirements imposed upon his contractor than do operators in other cities, due allowance being made for the fact that union wages are higher in New York and in San Francisco than they are in any other city.

\*\*Madison Square Garden will be the scene of the first international conference and exhibition embracing every phase of fire prevention, fire protection and fire fighting, next October from the 2d to 12th, including Fire Prevention Day in New York State, October 9th.

Fire Prevention Day is now set annually by proclamation of State Fire Marshal Ahearn. Its purpose is to provide an annual day for the cleaning up and removing of fire dangers

such as accumulations of paper, rags, etc., from factories, warehouses and all business and residential buildings.

Fireproof building construction and all accessories, fire alarm systems, automatic sprinklers and fire extinguishers, motor fire engines, fire escapes and in fact every device and manufacture in the fields of fire prevention and extinguishment will be exhibited and demonstrated and in addition an important conference will hold sessions daily providing the first general consideration of the fire question by architects, builders, engineers, insurance men and fire chiefs and fire fighters on the same platform.

The Mayors of the principal cities of the United States have already appointed their fire chiefs and commissioners as delegates to attend the conference and exhibition.

Awards will be made for the new inventions of value and merit, a campaign of fire prevention, education will be waged in the interest of the general public and the practical work of fire fighting will be shown with life saving exhibitions by firemen with scaling ladders, nets, the life line and similar equipment.

Detailed information will be furnished by A. D. V. Storey, secretary, 1269 Broadway, New York.

\*\*Atlantic City has been selected by the American Association for Highway Improvement for the American Road Congress to be held September 30 to October 5. The Congress will be held on Young's Million Dollar Concrete Pier and promises to be one of the greatest exhibitions of road machinery and materials and the largest gathering of good roads advocates ever held. The congress is under the auspices of the American Association for Highway Improvement, the American Automobile Association and the National Association of Road Material and Machinery Manufacturers. Space may be had upon application to J. E. Pennybacher, Jr., secretary, American Road Congress, Colorado Building, Washington, D. C. President Taft has accepted the honorary presidency and has also accepted an invitation to be present.

\*\*The effort to effect a merger of thirteen Portland cement plants in the Southwest has failed. For three months past the directors of the thirteen companies, nine plants in Kansas, one in Missouri, one in Texas and two in Oklahoma, have been making an earnest endeavor to perfect the consolidation in order to save what is known as "cross freights" and also to cut down administrative expenses.

\*\*\*"It is unfortunate that there is not more reliable data on the depreciation of manufacturing buildings. There is little information as to the preventing of dry rot, almost none on the effects of humidifiers on the life of timber, little of the loss of value through the design of buildings becoming obsolete—this last a serious one against the more expensive and hard to remove concrete—neither is there much data on the value of light in manufacturing processes."—From paper by Mr. Morton C. Tuttle.

\*\*A company on the California coast was shipping hydrated lime to the Hawaiian Is-

lands, and except for a few serious complaints about wet sacks its trade promised well. The actual monetary loss on account of ruined shipments did not exceed 2 or 3 per cent. but the loss of the customers was not to be lightly considered. The remedy was a waterproofed bag put inside the burlap. This bag, bearing the company's name, proved to be a most effective advertisement as well as at satisfactory container.

\*\*New Britain, Conn., has decided to engage the services of a competent man as inspector of pavements, curbs and sidewalks at the munificent salary of \$15.00 per week.

## METAL ROOFING AS AN INSURANCE POLICY.

Coincident with the bumper crops in many sections of the South and Southwest is the growing demand for metal roofing. The protective feature of the metal roof is becoming more manifest to those who own their own homes. The wideawake farmer or landlord of to-day appreciates that metal roofs are a good sort of insurance policy against fire and other minor troubles with which all who live under shingle roofs are conversant. Rates for insurance are lower, too, on metal covered dwellings.

A good metal roof is recognized as leak-proof, wind-proof, rust-proof and last, but by no means least, fire-proof. Those having metal roofs, metal shingles or metal siding on their homes or barns, and whose abode is miles from the nearest fire-fighting apparatus, feel secure to know they are at least better protected from that source of alarm which gives more trouble in the country than any other, destructive fires, than they would be if they had not protected themselves by using metal, where they formerly used wood.

Throughout the Southern States, says the "Roof Insurance Review," statistics show that about 42 per cent. of the fires start in the roof, which is a strong argument for the use of metal shingle. During the past ten years, many metal workers throughout that section of the country have been kept busy replacing the old wooden shingle with the modern metal type, and it is felt that there is good business ahead for the sheet-metal roofer who is sufficiently energetic to place before his customers the merits of metal roofing as a fire-protective material.

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## REAL ESTATE TRANSFERS.

Summary for week ending July 27th, 1912:  
 Number of transfers..... 413  
 Amount of transfers.....\$1,345,095.37  
 Cash consideration..... 441,060.37  
 Mortgage consideration..... 904,035.00  
 Ground rent consideration..... 12,314.27  
 Which on a six per cent. basis amounts to ..... 205,237.85



# Reference Directory for Architects, Builders and Owners

## Artists' and Architects' Supplies.

F. Weber & Co., 1125 Chestnut st., Phila.

## Architectural Iron and Metal Work.

John L. Gaumer Co.,  
22d and Wood sts., Phila.

## Awnings

Bernard McCurdy,  
N. E. Cor. 9th and Arch sts., Phila.

## Brick (Face, Etc.)

United Brick and Clay Products Co.,  
Morris Bldg., Phila.  
O. W. Ketcham, Builders' Exchange, Phila.

## Brick Renovating.

Adolph Christensen,  
1433 Brown st., Phila.

## Blue Prints

Blue Print Co., 1516 Chestnut Street, Phila.

## Boilers and Stacks.

Lindemann Engineering Co.,  
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## Builders.

Mitchell Bros., 2125 Race St., Phila.  
Pomeroy Const. Co., 1609 Ranstead st., Phila.

## Builders' and Contractors' Machinery.

Henry T. Peirce, Bulletin Bldg., Phila.

## Canvas Roofing.

The Franklin Paper Co.,  
718 Cherry st., Phila.

## Cement.

Samuel H. French & Co.,  
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Chas. Warner Co., Land Title Bldg., Phila.  
Knickerbocker Lime Co.,  
266 N. 24th St., Phila.

## Cement and Asphalt Paving.

Wm. Krause, 1621 N. 5th St., Phila.

## Cement Colors.

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## Cold Water Painting.

William B. Southern,  
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## Concrete Engineer.

Conklin Engineering Co.,  
Heed Building, Phila.

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Philadelphia Electric Co.,  
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## Engraving, Photo and Line.

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Bartlett & Co., 1938 Market st., Phila.  
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United Gas Improvement Co.,  
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Jos. Dixon Crucible Co.,  
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Makin Heating Co., 6 N. 18th St., Phila.

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American Perfectile Co.,  
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Belfi Bros. & Co.,  
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## Metal Doors and Trim.

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Pyramid Paint Co., 131 N. 22nd st., Phila.  
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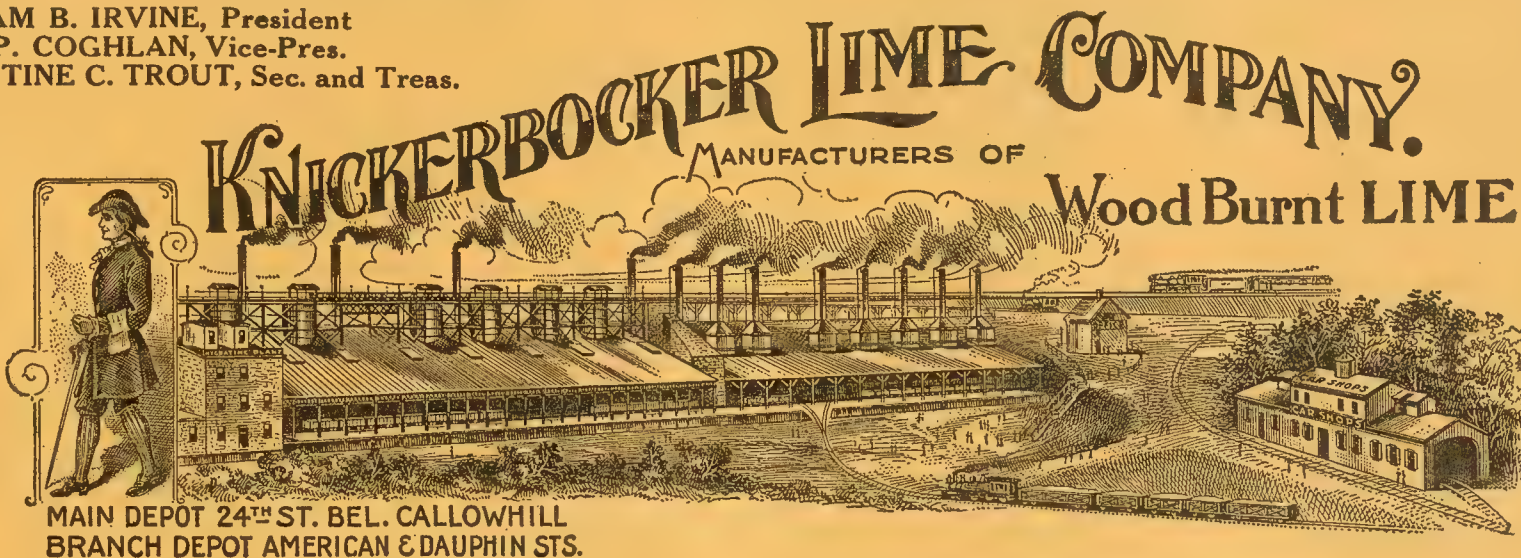
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# Builders' Guide

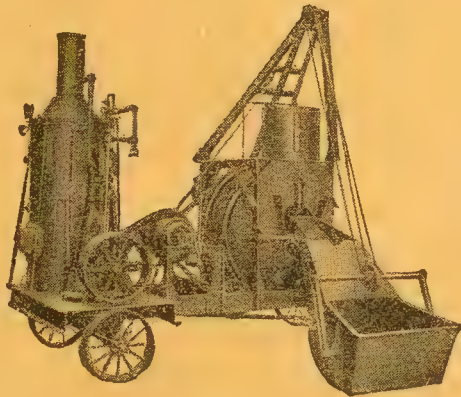
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Vol. XXVII., No. 32.

PHILADELPHIA, WEDNESDAY, AUGUST 7, 1912.

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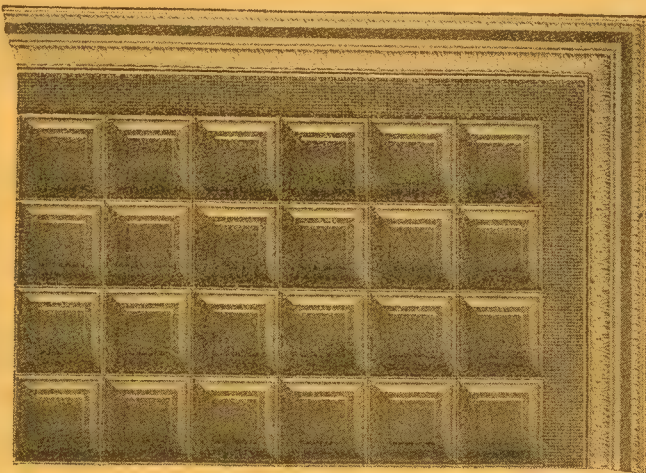
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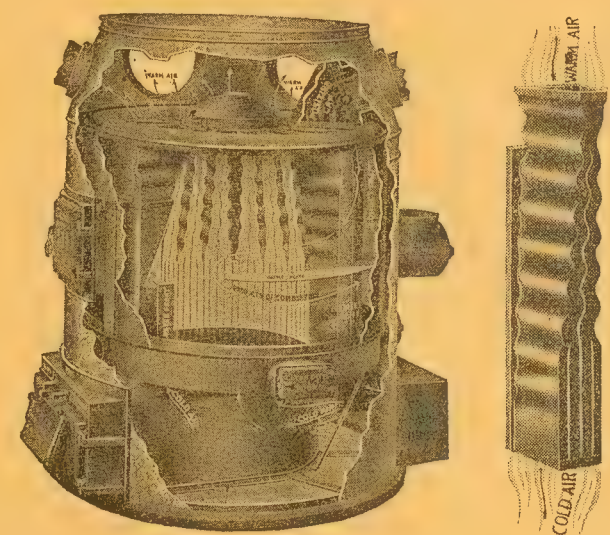
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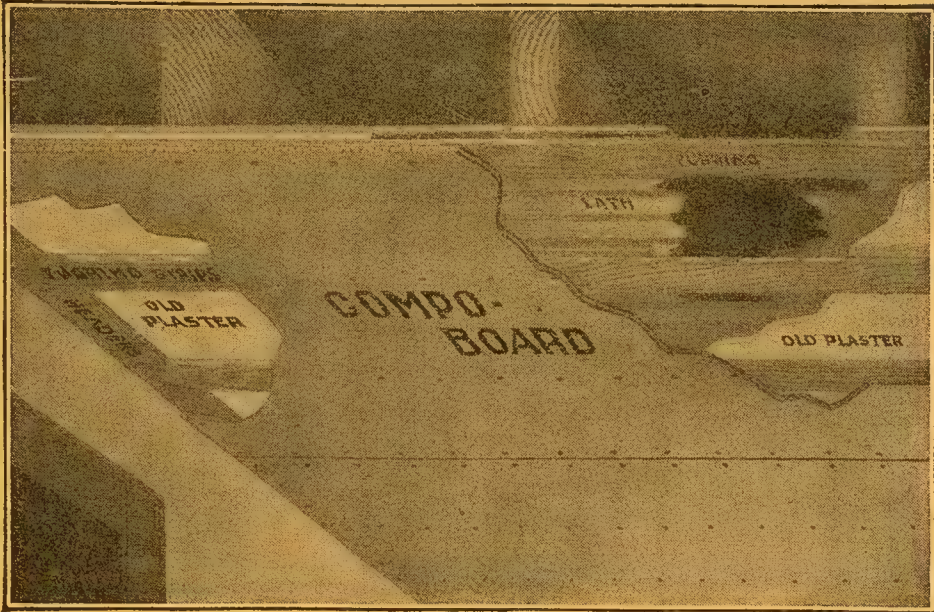
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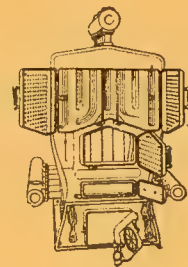
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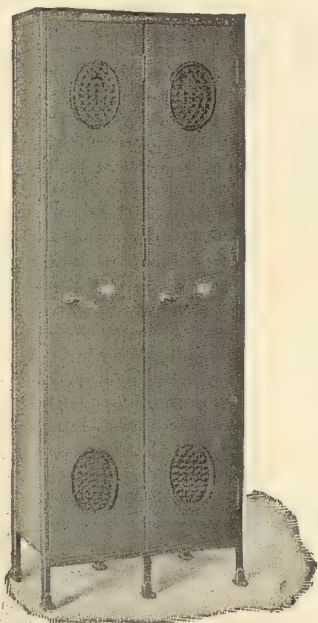
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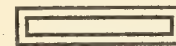
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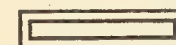


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Vol. XXVII., No. 32.

PHILADELPHIA, WEDNESDAY, AUGUST 7, 1912.

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## Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Residence** (alt. and add.), Twentieth and Sansom streets. Architects, Brockie & Hastings, 1613 Sansom street. Owner, Dr. J. B. Carnett, 318 South Fifteenth street. Brick, three stories, Perfect Portable heater. Architects taking bids due August 8. The following are figuring: H. E. Grau, 1707 Sansom street; Pomeroy Construction Company, 1609 Ransstead street; John L. Fry, Real Estate Trust Building; MacTavish & Hazzard, 1513 Pine street; H. H. Cluck, 170 East Walnut lane.

**Residence**, Narberth, Pa. Architect, private plans. Owner, T. J. Wholey, Fifty-second and Market streets. Stone, two and one-half stories, 40x45 feet, slate roof, electric lighting, hot water heating, hardwood floors. D. F. Wholey, 1109 Indiana avenue, is taking sub-bids on all lines.

**Theatre**, Venango street and Erie avenue. Architects, John D. Allen Company, Denckla Building. Owners, George F. & Walter Stuempfig, Pulaski avenue and Hansberry street. Brick, steel and terra cotta, two stories, 112x200 feet, slag roof, electric lighting, steam heating. Owners will sub-let all contracts.

**Residence**, Ardmore, Pa. Architects, Evans, Warner & Register, Witherspoon Building. Owner, Edmund O. Evans, Witherspoon Building. Stone and hollow tile, two and one-half stories, shingle roof (plumbing, heating and electric work reserved). Architects taking bids due August 7. The following are figuring: Metzger & Wells, Heed Building; William R. Dougherty, 1608 Sansom street; Gray Bros., Rosemont, Pa.; George L. Croll, Rosemont, Pa.

**Parish House** (alt. and add.), Eleventh and Snyder avenue. Architects, Milligan & Pierson, 520 Walnut street. Owners, All Saints' P. E. Church, Rev. J. E. Hill. Brick, two and one-half stories, slag and slate roof. Architect taking bids due August 12. The following are figuring: A. Whitehead, 1624 Latimer street; Thomas C. Trafford, 1613 Sansom street; H. C. Dahl, 231 South Eighth street; Thomas M. Welsh, 758 South Broad street.

**Hospital**, Augusta, Ga. Architect, G. Lloyd Breacher, Augusta, Ga. Owner, City of Augusta, Ga. Brick, limestone and granite, fire-proof, three stories. Consists of five buildings. Architect taking bids due August 26. Charles McCaul Company, Tenth and Sansom streets, is figuring.

**Parish House**, Beulah and Reed streets. Architects, Anderson & Haupt, Drexel Building. Owner, St. Timothy's P. E. Church, Rev. William Roberts, 1420 South Fifteenth street. Brick, three stories, 40x127 feet, slag and slate roof, steam heating. J. S. Cornell & Sons, Land Title Building, are taking sub-bids.

**Department Store** (alt.), Tenth and Market streets. Architect, A. B. Lacey, 1012 Walnut street. Owners, Blum Bros., on premises. Consists of new bulk windows and interior alterations. Architect has received bids.

**Club House** (remodeling), Fairmount Park, Philadelphia. Architect, C. E. Schermerhorn, 430 Walnut street. Owner Pennsylvania Barge Club, Fairmount Park, Philadelphia. Stone and half timber, two stories. Architect taking bids due August 9. The following are figuring: Burd P. Evans & Co., Thirteenth and Wallace streets; Haibach Contracting Company, A. R. Raff, 1635 Thompson street; Thomas Little & Son, 1613 Sansom street; R. J. Whiteside & Sons, 2115 Wallace streets; John McKenna & Son, 215 North Tenth street.

**Boiler House** (add.), Glenolden, Pa. Architect, C. B. Keen, Bailey Building. Owners, H. K. Mulford Company, 412 South Thirteenth street. Stone, one story, slag roof, electric lighting. Owner will sub-let all contracts.

**Residence**, Germantown, Philadelphia. \$12,000. Architect, Charles Barton Keen, Bailey Building. Owner's name withheld. Stone, two and one-half stories, 35x48 feet, wing 23x16 feet, shingle roof, hardwood floors, warm air heating. Plans in progress.

**Stable**, Langhorne, Pa. Architect, H. G. McMurtie, Bailey Building. Owner's name withheld. Frame, two stories, 20x40 feet, shingle roof. Plans in progress.

**Residence**, Conshohocken, Pa. Architect, H. G. McMurtie, Bailey Building. Owner, Alan W. Jones, Conshohocken, Pa. Hollow tile and plaster, two and one-half stories, 25x45 feet, shingle roof, hot water heating, hardwood floors. Architect taking bids due August 10. The following are figuring: E. L. Cuthbertson, 334 Roxborough avenue; William H. Eddleman, 453 Green Lane; Culp & Staley, Plymouth Meeting, Pa.; Algernon H. Jones, Conshohocken, Pa.; Edward Martin, Conshohocken, Pa.; Ludwik B. Kowalkowski, Conshohocken, Pa.

**Chocolate Factory**, Margaret and James st. Architects, Stearns & Castor, Stephen Girard Building. Owners, Blumenthal Bros., 1313 North Second street. Brick and terra cotta, two and three stories, 84x303 feet, slag roof, steam heating, electric lighting. Architects taking bids due August 7. The following are figuring: H. E. Baton, Tenth and Sansom streets; Cramp & Co., Denckla Building; William R. Dougherty, 1608 Sansom street; John R. Wiggins Company, Heed Building; John W. Emery, 1524 Sansom street; H. E. Grau Company, 1707 Sansom street; A. R. Raff, 1635 Thompson street.

**Factory**, Marcus Hook, Pa. Architect, private plans. Owners, United Roofing and Mfg. Company, Morris Building. Brick, two and three stories, 60x200 feet and 43x160 feet, congo roofing, electric lighting. Owners have received bids.

**Club House**, Princeton, N. J. \$60,000. Architects, Mellor & Meigs, Lafayette Building. Owners, The Charter Club, Princeton, N. J. Stone, two and one-half stories, slate roof. Plans about completed. Architects will take bids in about ten days.

**Church**, Wilmington, Del. Magaziner & Potter, 137 South Fifth street. Owner, First Church of Christian Science, Wilmington, Del. Stone, one story. Architects taking bids. The following are figuring: H. L. Brown, 1714 Sansom street, Philadelphia, and the following of Wilmington, Del.: W. D. Haddock & Co., A. S. Reed & Bro. Company, James Smith, Manufacturers Contracting Company, and Edward C. May.

**Sanitarium**, Hamburg, Pa. Architects, Welsh, Sturdevant & Poggie, Wilkes-Barre, Pa. Owner, State of Pennsylvania, care of Dr. Samuel G. Dixon, Nineteenth and Race streets, Philadelphia. Hollow tile and plaster, two and three stories, shingle roof, steam heating, electric lighting. Consists of dining and administration building (2) ward buildings (2), connecting corridors, power house and laundry. Owners taking bids due noon, August 19. Metzger & Wells, Heed Building; Edward Fay & Son, 1519 Ransstead street; P. J. Hurley, 1233 Cherry street; Wayne Contracting Company, 1218 Filbert street; J. E. & A. J. Pennock, Land Title Building, are figuring.

**Mill and Weave Shop**, Danville, Va. Architects, Lockwood & Greene Company, Boston, Mass. Owner, The Riverside and Dan River Cotton Mill. Brick, five stories, 461x



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**Milk Station (alt. and add.),** 1725-27 Wood street. Architect's private plans. Owners, City of Philadelphia, Department of Health and Charities, care of Dr. Joseph S. Neff, City Hall. Brick, two stories, steam heating, electric lighting. Owners have received bids.

**Moving Picture Theatre,** Sixty-second and Woodland avenue. Architect, John I. Bright, 1701 Chestnut street. Owner, Charles Fletcher, 6930 Paschall avenue. Brick, one story, 85x123 feet, slag roof, steam heating, electric lighting. Plans in progress.

**Residences (56),** Fifty-seventh and Catharine streets. Architect's private plans. Owner, E. F. Gorman, Fifty-second and Arch streets. Brick, two stories, slag roofs, hot water and steam heating, hardwood floors. Owner is taking sub-bids.

**Post Office,** Punxsutawney, Pa. Architect, James A. Wetmore, Washington, D. C. Owner, U. S. Government, Washington, D. C. Stone and brick, two stories, 81x60 feet, steam heat, electric light, copper and slag roof. Owners taking bids due August 26. The following are figuring: J. W. Emery, 1524 Sansom street; J. E. & A. L. Pennock, Land Title Building.

**School,** Pottstown, Pa. Architect, A. A. Ritcher, Reading, Pa. Owners, St. Aloysius R. C. Church, Pottstown, Pa. Brick and limestone trimmings, two stories, 65x120 feet, slate roof, electric light, American system of Furnace Heating and Ventilating. Architect taking bids due August 10. The following are figuring: F. L. Hoover, Builders' Exchange; T. C. Trafford, 1613 Sansom street.

**Summer House,** Radnor, Pa. Architects, Zantinger, Borie & Medary, Fifteenth and Walnut streets. Owner, E. K. Rowland, Radnor, Pa. Plaster, one story, tile roof, electric light. Architects taking bids due August 5. William R. Dougherty, 1602 Sansom street, only bidder.

**Residence and Garage,** Wyneewood, Pa. Architects, Savery, Scheets & Savery, Stephen Girard Building. Owner, Horace H. Lee, Secretary Philadelphia Stock Exchange, Third and Walnut streets. Stone or plaster, two and one-half stories, 53x32 feet, shingle roof, white oak floors, four bath rooms (heating and electric work reserved). Architects taking bids due August 5. The following are figuring: Metzger & Wells, Heed Building; Roydhouse-Arey Company, Fidelity Building; A. L. Fretz & Son, 1222 Chancellor street; R. C. Ballinger & Co., 218 North Tenth street; J. E. Kearney, 327 North Sixty-third street; Mowrer Bros., Merion, Pa.; George L. Croll, Rosemont, Pa.

**Mausoleum,** Laurel Hill Cemetery, Philadelphia. Architect, Horace Trumbaur, Land Title Building. Akner, Eisenlohr Bros, 932 Market street. Granite and marble interior. Architect taking bids. The following are figuring: John M. Gessler's Sons, Thirtieth and Baltimore avenue; Law & Burrell, Twenty-fourth and Locust streets; E. A. Carroll Company, Barmouth Station, Philadelphia.

**Cottage (alt. and add.),** Norristown, Pa. Architects, Baker & Dallett, 1629 Chestnut street. Owner, State Hospital for Insane, Richard Markley, steward, Norristown, Pa.

Brick and stone, two and one-half stories, electric lighting, steam heating. Owners taking bids on materials to be in August 15, 10 A. M.

**School,** Llanerch, Pa. \$50,000. \$50,000. Architects, Blithe & Richards, 608 Chestnut street. Owner, School Board of Llanerch, Pa. Stone, two stories, slate roof, electric lighting. Plans in progress. Bids will be taken in about six weeks.

**Church,** Twenty-third and Mifflin streets. Architect, George I. Lovatt, 420 Walnut st. Owners, St. Edmond's R. C. Church, care of Rev. J. Grensall, Seventeenth and Morris streets. Stone, limestone trimmings, one story and basement, 73x71 feet, electric light, slag roof, steam heat. Architect taking bids due August 14. The following are figuring: William R. Dougherty, 1608 Sansom street; Doyle & Co., 1519 Sansom street; W. J. McShane, 417 South Thirteenth street; Melody & Keating, Bailey Building; H. A. McClellan & Bros., Thirteenth and Shunk streets; M. L. Conneen, 315 South Twentieth street.

**Dairy Building (alt. and add.),** Thirty-first and Ludlow streets. Architect, Walter Smedley, Stephen Girard Building. Owners, Abbott's Alderney Dairies, 1826 Filbert street. Brick, fireproof, steel, three stories, slag roof, steam heat, electric light. Architect taking bids due August 12. The following are figuring: R. C. Ballinger, 218 North Thirteenth street; J. E. & A. L. Pennock, Land Title Building; Stacey Reeves & Sons, 1609 Filbert street; B. Ketcham's Sons, 1029 Brown street.

**Church,** Sixty-fourth and Haverford avenue. \$60,000. Architects, Duhring, Okie & Zeighler, Bailey Building. Owners, St. Barnabas P. E. Church. Stone, one story. Plans in progress.

**Twin Residences,** Queen Lane Manor, Pa. Architects, McGoodwin & Hawley, 34 South Sixteenth street. Owners, Queen Lane Land Company, on premises. Brick, three stories, 40x60 feet. Slate roof, electric light, hardwood floors, hot water heat. Plans in progress.

**Residence,** Arlington, N. J. Architects, McGoodwin & Hawley, 34 South Sixteenth street. Owner, J. C. Fuller, 10 South Eighteenth street. Brick and plaster, two and one-half stories, 24x30 feet, electric light, shingle roof. Plans in progress.

**Moving Picture Theatre,** Franklin and Clearfield streets. Architects, Anderson & Haupt, Drexel Building. Owners, Philadelphia Film Exchange, 121 North Nineteenth street. Brick, one story, 56x65 feet. Slag roof, electric light, steam heat. Plans completed. Owners will take bids.

**School,** Pottstown, Pa. Architect, A. A. Ritcher, Reading, Pa. Owners, St. Aloysius' R. C. Church, Pottstown, Pa. Brick and limestone trimmings, two stories, 65x120 feet. Slate roof, electric light, American system of furnace heating and ventilating. Architect taking bids, due August 12th, 6 o'clock. The following are figuring: F. L. Hoover, Builders' Exchange; T. C. Trafford, 1613 Sansom street; William H. Wiand, 32 East Fifth street, Pottstown, Pa.; Hutt & Knod, 884 High street, Pottstown, Pa.; William J. Elliott, Coatesville, Pa.; Frank R. Heavner, Boyer Arcade, Norristown, Pa.; Gordon Nagle, Morris Building, Pottsville, Pa., and George A. Koch, Reading, Pa.



**Residence, St. Davids, Pa.** Architect, James Purdon, Boston, Mass. Owner, Nathan Hayward, care of Bell Telephone Company. Plaster, three stories, 40x90 feet. Tile roof, electric light, hardwood floor, hot water heat. Owner taking bids, due August 8th. The following are figuring: F. W. Van Loon, Denckla Building; Pomeroy Construction Company, 1609 Ranstead street; E. E. Holtenbach, Fifteenth and Race streets.

**Subway Entrance, 1027 Market street.** Architects, Stearns & Castor, Stephen Girard Building. Owners, Berg Brothers, 1027 Market street. Brick, steel and glass, electric light. Architects taking bids, due August 8th. The following are figuring: H. E. Baton, Tenth and Sansom streets; A. R. Raff, 1635 Thompson street; J. N. Gill & Co., Heed Building; B. Ketcham's Sons, 1029 Brown street.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Moving Picture Theatre (remodeling),** Thitry-sixth and Haverford avenue. \$23,000. Architect, private plans. Owner, William F. Boogar, 835 Market street. Brick, two stories, tin roof, electric lighting, steam heating. Contract awarded to F. B. Davis, 35 South Seventeenth street.

**Residence (remodeling),** York road below Oak Lane avenue. \$5,000. Architect, C. E. Schermerhorn, 430 Walnut street. Owner, Reuben Windisch, 105 Arch street. Franme, three stories, hot water heating, hardwood floors. Contract awarded to A. R. Raff, 1635 Thompson street.

**Residence (alt. and add.),** 5334 Vine street. Architect, private plans. Owner, Dr. William F. Horan, on premises. Brick, three stories, slag roof, hot water heating. Consists of additional story and interior alterations. Contract awarded to D. F. Wholey, 1109 Indiana avenue, who is taking sub-bids.

**Garage, Locust street, west of Broad street.** Architects, Hewitt, Granger & Paist, Bullitt Building. Owner, Bellevue-Stratford Hotel, Broad and Walnut streets. Brick and reinforced concrete, four stories, 102x150 feet, slag roof, electric lighting, steam heating. Contract awarded to Roydhouse-Arey Company, Fidelity Building.

**Residence (alt. and add.),** Devon, Pa. \$20,000. Architects, Willso Eyre & McIlvaine, 1003 Spruce street. Owner, J. Hampton Barnes, Morris Building. Stone and plaster, two and one-half stories, electric lighting, two hot air heaters. Contract awarded to A. Whitehead, 1624 Latimer street.

**Residence and Garage, Chester, Pa.** \$20,000. Architects, Savery, Scheetz & Savery, Stephen Girard Building. Owner, Robert Wetherill, Chester, Pa. Stone, three stories, 42x59 feet, three bath rooms, Mohawk slate roof, oak floors, hot water heating, electric lighting. Contract awarded to William Provost, Jr., Chester, Pa.

**Church, Burlington, N. J.** Architect, Geo. E. Savage, Witherspoon Building. Owner, First Baptist Church, Burlington, N. J. Stone, one story, slate roof, steam heating. Contract awarded to Harry Williams, Burlington, N. J.

**Nurses' Home, Twentieth and Susquehanna avenue.** Architects, Peuckert & Wunder, 310 Chestnut street. Owner, Women's Homoeopathic Hospital, on premises. Brick, stone and terra cotta, three stories, 81x94 feet, slate roof, steam heating, electric lighting. Contract awarded to Philip Haibach Contracting Company, Twenty-sixth and Thompson streets.

**Boiler Room, 1015 Market street.** Architects, Stearns & Castor, Stephen Girard Building. Owner, Berg Bros., on premises. Brick, concrete and steel, slag roof, electric light. Contract awarded to A. R. Raff, 1635 Thompson street.

**Hospital (alt. and add.),** Chestnut Hill, Pa. Architects, Brookie & Hastings, 328 Chestnut street. Owners, Chestnut Hill Hospital, Chestnut Hill, Philadelphia. Brick, one story, electric light, tin roof. Contract awarded to George S. Roth & Son, 230 East Graver's lane.

**Residences (12),** Mt. Airy avenue and Allen lane. \$70,000. Architects, Duhring, Okie & Zeighler, Bailey Building. Owner, Dr. Geo. Woodward, North American Building. Stone, two and one-half stories, 30x40 feet each (heating and plumbing reserved). Contract awarded to Pringle Borthwick, 8018 Germantown avenue.

**Residence, Merion, Pa.** \$12,000. Architects, Heacock & Hokanson, Bailey Building. Owner, Samuel W. Haines, 1023 Filbert street. Brick and plaster, two and one-half stories, 35x70 feet, tin and shingle roof, hot water heating, electric lighting. Contract awarded to F. B. Davis, 35 South Seventeenth street.

**Factory and Power House, Walnut lane and Main street.** Architects, Peuckert & Wunder, 310 Chestnut street. Owner, Robert Krook, on premises. Reinforced concrete, two stories, 62x153 feet and 57x26 feet, slag roof, electric lighting. Contract awarded to E. L. Cuthbertson, 334 Roxborough avenue.

**Alterations for Apartments, 3913-15 Spruce street.** \$7,000. Architects, De Armond, Ashmead & Bickley, 618 Chestnut street. Owner, Mrs. Sarah A. Gallagher, 3913 Spruce street. Consists of general alterations for apartments, six new bath rooms, hot air heating. Contract awarded to George & Borst, 277 South Eleventh street.

**Factory (add.),** 114 to 120 North Fifth street. \$35,000. Architect, Carl P. Berger, 1418 South Penn Square. Owners, C. F. Rumpp & Sons, Fifth and Cherry streets. Brick, terra cotta and concrete, seven stories, 50x57 feet, tile and slag roof (heating and electric work reserved). Contract awarded to A. R. Raff, 1635 Thompson street.

**Hospital (alt. and add.),** Thirty-third and Lancaster avenue. Architects, Brookie & Hastings, 328 Chestnut street. Owners, Rush Hospital, on premises. Brick, interior alterations, electric lighting, steam heating. Consists of finishing interior of one floor. Contract awarded to F. E. Wallace, 1210 Sansom street.

**Freight House, Clarksburg, W. Va.** Architect, M. A. Long, Baltimore, Md. Owners, Baltimore and Ohio Railroad Company. Brick, one and two stories, slag roof, electric light. Contract awarded to Roydhouse-Arey Company, Fidelity Building.

**Station and Freight House, Salem, W. Va.** Architect, M. A. Long, Baltimore, Md. Owners, Baltimore and Ohio Railroad Company. Brick, concrete and frame, one story, 81-28 feet and 30x80 feet, electric lighting, slate

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and slag roof. Contract awarded to Ryd-  
house-Arey Company, Fidelity Building.

**Residence**, Merion, Pa. \$35,000. Archi-  
tect, James Russell Harris, 1001 Chestnut  
street. Owner, Percival E. Foerderer, Penn-  
sylvania Building. Hollow tile and plaster,  
two and one-half stories, 80x30 feet, tile roof,  
hardwood floors (plumbing and heating re-  
served). Contract awarded to H. L. Brown,  
1714 Sansom street.

**Building (alt. and add.)**, 10 South Eigh-  
teenth street. Architect, Seymour & Paul A.  
Davis, 1713 Sansom street. Owners, Fuller  
Building. Brick, electric light. Contract  
awarded to H. E. Grau Company, 1707 San-  
som street.

**Business Building (remodeling)**, northeast  
corner of Ninth and Arch streets. Archi-  
tects, Peuckert & Wunder, 310 Chestnut  
street. Owner, Max Sladkin, 827 Arch street.  
Brick, four stories. Consists of general re-  
modeling. Contract awarded to Geo. Hogg,  
1634 Sansom street.

**Cottage**, Cape May, N. J., \$7,000. Frame,  
two and one-half stories, 35x53 feet; wing,  
17x30 feet. Asbestos shingle roof, electric  
light. Contract awarded to W. L. Cummings  
& Son, West Cape May, N. J.

**Addition to Plant**, Marcus Hook, Pa. Archi-  
tects, Ballinger & Perrot, 1211 Arch street.  
Owners, American Viscose Company, Marcus  
Hook, Pa. Brick and concrete, one story, slag  
roof, electric light. Contract awarded to  
William Provost, Chester, Pa.

**Residence (alt. and add.)**, Twentieth and  
Cherry streets, \$9,000. Architects, Wilson,  
Eyre & McIlvaine, 1003 Spruce street. Own-  
er, Charles Grafly, Twenty-second and Arch  
streets. Brick, three stories, slag roof, elec-  
tric light, hot air heat. Contract awarded  
to George & Borst, 277 South Eleventh street.

**Church (alt. and add.)**, Thirty-eighth and  
Spring Garden streets. Architects, E. F. Du-  
rang & Sons Company, Inc., Twelfth and  
Chestnut streets. Owners, St. Agatha's R.  
C. Church, on premises. Stone, one story,  
slate roof, electric light. Contract awarded  
to John McShain, 631 North Seventeenth  
street.

**Store (alt. and add.)**, Twenty-second and  
Cambria streets. Architect, private plans.  
Owner, Michael O'Donnell, on premises.  
Brick, three stories. Contract awarded to  
George Hogg, 1634 Sansom street.

## Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Hugh Ayres (O), 3534 Knorr street. Cost,  
\$1,800. Dwelling, brick, two stories, 16x32  
feet, Knorr and Hegerman streets.

H. Ellenberg (O), 3543 Germantown ave-  
nue. George A. Boyd (C), 1822 Erie avenue.  
Cost, \$5,200. Two dwellings, brick, two stor-  
ies, 16x45 feet, Ninth and Rusecomb streets.  
Cost, \$3,200. Store and dwelling. Cost, \$28,-  
800. Twelve dwellings.

F. M. Faulkner (O), 2331 East Allegheny  
avenue. Cost, \$28,600. Thirteen dwellings,  
two stories, brick, 14x40 feet, Ann and Ara-  
mingo streets.

F. W. Tunnell & Co. (O), 15 North Fifth  
street. A. Whitehead (C), 1624 Latimer  
street. Cost, \$7,000. Storage, brick, one  
story, 82x72 feet, Wheatsheaf lane and Gaul  
street.

A. Armoroso (O), 616 Christian street. P.  
D. Guiseppe (C), 1104 Webster street. Cost,  
\$1,700. Dwelling, brick, three stories, 13x32  
feet, 618 Christian street.

W. Taylor (O), Queen and Stokley streets.  
W. J. Gruhler Company (C), 219 High street.  
Cost, \$1,300. Porch.

Mary A. Read (O), 3102 North Broad  
street. Lord & Read (C), 5909 North Park  
avenue. Cost, \$20,000. Garage, brick, two  
stories, 50x211 feet, 3431 North Broad street.

T. Byer (O), Seventy-third and Island road.  
C. S. Kates (C), Seventy-ninth and Buist ave-  
nue. Cost, \$3,600. Two dwellings, brick,  
two stories, 15x40 feet. Cost, \$1,800. One  
dwelling 7412-14 Buist avenue.

All Saints Church (O), Torresdale, Pa. N.  
K. Freas (C), Andalusia, Pa. Cost, \$14,000.  
Church, stone, two stories, 43x76 feet, Frank-  
ford avenue and Grant avenue.

H. Lucker (O), 5146 Parkside avenue. A.

P. Lucker (C), 5146 Parkside avenue. Cost,  
\$2,200. Bath house, three stories, brick, 13x  
50 feet, 1526 South Seventh street.

Louis Shpeen (O), Eighty-second and Har-  
ley avenue. Cost, \$7,200. Four dwellings,  
brick, two stories, 14x36 feet, Seventy-eighth  
and Ewing avenue.

Smith Craighead (O), 3018 West Susque-  
hanna avenue. Cost, \$4,400. Two dwellings,  
brick, two stories, 15x29 feet, Fifteenth and  
Rockland streets.

Corn Exchange National Bank (O), Second  
and Chestnut streets. Cramp & Co. (C),  
Denekla Building. Cost, \$100,000. Bank,  
four stories, 61x77 feet, brick.

Sedgwick Farm Company (O), 7014 Boyer  
street. A. L. Tourison, Jr. (C), 7014 Boyer  
street. Cost, \$9,800. Residence, stone, three  
stories, 30x46 feet, Anderson and Mount  
Pleasant streets.

A. Schneider (O), Hale Building. A. Cham-  
bley (C), 243 North Tenth street. Cost, \$15,-  
000. Manufacturing building, three stories,  
brick, 32x66 feet, 1304 Vine street.

A. Thomas (O), Eighty-sixth and Suffolk  
avenue. Green & Thomas (C), 8817 Botanic  
avenue. Cost, \$1,500. One dwelling, brick,  
two stories, 16x36 feet, Ninety-second and  
Eastwick avenue.

Mary A. Churchill (O), 6650 Musgrave  
street. H. H. Churchill (C), 6650 Musgrave  
street. Cost, \$7,500. Five dwellings, brick,  
two stories, 15x22 feet, Hortter and Mus-  
grave streets.

Louis Sigel (O), 8405 Eastwick avenue.  
Cost, \$9,000. Five stores and dwellings, brick,  
three stories, 15x30 feet, 1138 to 42 North  
Second street.

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phia. Cramp & Co. (C), Denckla Building. Cost, \$175,000. Office building, brick, seven stories, 25x190 feet, 1418 Walnut street.

Trustees of Presbytery of Philadelphia (O), Witherspoon Building. J. Oliver (C), 6039 Delancey street. Cost, \$11,000. Chapel, stone, 90x160 feet, two stories, 329 Price street.

F. W. Falkner (O), 2331 East Allegheny avenue. Cost, \$2,200. One store and dwelling, brick, two stories, 14x28 feet, Ann and Aramingo streets.

R. S. MacQueen (O), Twenty-second and Moyamensing acenue. Andrew MacQueen (C), Twenty-second and Montgomery avenue. Cost, \$1,500. Residence, two stories, 23x17 feet, Curbin and Penrose Ferry road.

Mrs. William Moritz (O), 2016 Bridge street. J. E. Mathis (C), 4412 Wingohocking street. Cost, \$3,100. Residence, brick, three stories, 16x35 feet, Faulkrod and Oakland streets. Cost, \$3,100.

George F. Heath (O), 3318 South Eighty-

seventh street. Cost, \$2,400. Two dwellings, brick, two stories, 11x36 feet, 8717-19 Laycock avenue.

Philadelphia Electric Company (O), Tenth and Chestnut streets. J. R. Wiggins Company (C), Heed Building. Cost, \$60,000. Electric plant, one story, brick, 110x90 feet, Twenty-first and Ranstead streets.

Chestnut Hill Hospital (O), Chestnut Hill, Pa. George S. Roth & Son (C), 230 East Graver's lane. Cost, \$3,200. Hospital.

E. W. Flood (O), 1802 Market street. A. Whitehead (C), 1624 Latimer street. Cost, \$3,600. Saloon, 1802 Market street.

William Cooper (O), 4909 North Fifteenth street. Cost, \$2,300. One dwelling, brick, two stories, 16x26 feet, Fifteenth and Bel-

field avenue. M. J. Crawford (O), 4413 Ridge avenue. Robert Crawford (C). Cost, \$2,800. Two dwellings, brick, 15x47 feet, two stories, 3819-21 Manayunk avenue.

**Alterations and Additions**

Lawerence O'Toole (O), 257 South Tenth street. Cost, \$6,000. Store and residence, 257 South Tenth street.

E. N. Summerman (O), 1016 Lehigh avenue. H. Wehmeyer (C), 2013 East Cheltenham avenue. Cost, \$1,000. Store and dwelling, 1012 Lehigh avenue.

Thomas Reath (O), 2103 Delancey street. W. Ferguson & Son (C), 405 South Twenty-first street. Cost, \$1,100. Dwelling.

J. F. Betz Estate (O), Broad and Penn Square. W. F. J. Rayner (C), 4128 Pechin street. Cost, \$1,200. Offices, Broad and Penn Square.

George H. McFadden (O), 1428 Walnut street. J. P. Wood Heating Company (C), 239 North Fourth street. Cost, \$5,000. Residence, Eighteenth and Spruce streets.

Church of the Nativity (O), Allegheny avenue and Miller street. M. Monaghan (C), 214 South Twelfth street. Cost, \$5,629. Church, Allegheny avenue and Miller street.

Pennsylvania Railroad Company (O), Philadelphia, Pa. Reiter, Curtis & Hill (C), Arcade Building. Cost, \$1,000. Storage, Girard avenue and Bridge street.

House of Detention (O), Twenty-second and Arch streets. Howers Bros. Company (C), Real Estate Trust Building. Cost, \$3,000. Twenty-second and Arch streets.

Estate of D. D. Jayne (O), 242 Chestnut street. J. Duncan (C), 920 Walnut street. Cost, \$12,500. Store and offices, 611-13 Chestnut street.

J. J. Higgins (O), Eighteenth and Summer streets. W. J. McShane (C), 417 South Thirtieth street. Cost, \$2,845. Dwelling, 1708 Summer street.

Mrs. J. McCabe (O), Bryn Mawr, Pa. W. J. White (C), 2219 South Sixty-third street. Cost, \$1,000. Store and dwelling, 6135 Woodland avenue.

Mrs. M. E. McMichan (O), Overbrook, Pa. A. James (C), Bala, Pa. Cost, \$3,500. Garage, Overbrook, Pa.

W. Roper Estate (O), Germantown, Philadelphia. A. James (C), Bala, Pa. Cost, \$1,000. Dwelling, 320 Gowen avenue.

Dr. J. K. Young (O), 222 South Sixteenth

street. T. Strachan (C), 2016 Ranstead street. Cost, \$1,430. Dwelling.

Rush Hospital Trustees (O), Thirty-third and Lancaster avenue. F. E. Wallace (C), 1210 Sansom street. Cost, \$17,500. Hospital addition.

Andrews Mill Company (O), Adams and Leiper streets. G. H. Thirsk (C), 4413 Frankford avenue. Cost, \$1,350. Mill.

American Manganese Bronze Company (O), Holmesburg, Pa. F. W. Van Loon (C), Denckla Building. Cost, \$5,500. Foundry, Holmesburg, Pa.

Mrs. W. Harper (O), City Line and Wissahickon avenue. J. E. Walt (C), 204 East Willow Grove avenue. Cost, \$1,100. Dwelling, City Line and Wissahickon avenue.

Thomas H. Miles (O), Gynwedd, Pa. J. F. Myers & Co. (C), 1237 Ridge avenue. Cost, \$2,000. Store, Eighteenth and Chestnut streets.

St. Clement's P. E. Church (O), Twentieth and Cherry streets. J. Myers & Sons (C), Witherspoon Building. Cost, \$22,000. Church.

M. C. Seibel (O), 1712 Walnut street. J. N. Gill & Co. (C), Heed Building. Cost, \$5,000. Dwelling, 1712 Walnut street.

Dill & Collins Company (O), Richmond and Tioga streets. W. Steele & Sons Company (C), 1600 Arch street. Cost, \$10,000. Boiler House.

Rev. E. F. Prendegast (O), Logan Square. J. McShain (C), 631 North Seventeenth st. Cost, \$2,300. School, Thirty-eighth and Spring Garden streets.

Pennsylvania Salt Mfg. Company (O), Greenwich Point, Philadelphia. Humphrey Construction Company (C), 1341 Arch street. Cost, \$1,300. Engine House.

Henry W. Scarborough (O), 522 Walnut street. William Cooper (C), 4909 North Fifteenth street. Cost, \$4,600. Two dwellings, brick, two stories, 15x26 feet, Loudon and Fifteenth streets.

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Following the competition inaugurated some time since by the Blaw Steel Centering Company, of Pittsburgh, Pa., for the best designs for concrete residences to cost not more than \$3,000, the following awards made by Professor A. D. F. Hamlin, of Columbia University, who acted as judge, are announced:

First Prize: \$100.00, Mr. E. Parmiter, Room 202, 25 West Forty-second street, New York City.

Second Prize: \$75.00, Mr. William C. Lurkey, 144 Winslow avenue, Buffalo, N. Y.

Third Prize: \$50.00, Mr. Jack Lehti, Apartment 103, The Eckington, Fourth and T streets, N. E., Washington, D. C.

Fourth Prize—three awards—\$25.00 each: Mr. Grover Lippert, 418 West Doty street, Madison, Wis.; Mr. Everett Crab, 904 State Life Building, Indianapolis, Ind.; Mr. Clyde W. Smith, 3236 Fifth avenue South, Minneapolis, Minn.

There will be published shortly in booklet form the designs and specifications of the prize winners; also the designs and specifications of some forty other contestants.

You can't hire loyalty; you have got to deserve it.—Ex.

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**United Steel Sash:**

A valuable catalogue, and one prepared for the specific purpose of affording the architect complete information on daylighting and glazing methods is issued by the Trussed Concrete Steel Company, Detroit, Mich., devoted to an exposition of the United Steel Sash.

It contains in addition to general views of installation of sash, also working drawings showing the methods employed in adapting the type of sash to buildings of various kinds. A feature embodied in this catalogue is the full sized details of sash members and their relation to window jambs and to each other. A more complete work for the architect's use could not be devised.

**Thorp Fire Proof Doors:**

The Thorp Fire Proof Door Company, of Minneapolis, Minn., make a variety of fire-proof doors for which they claim many advantages. These doors when used generally make each room a separate unit of safety and minimize the possibility of fires extending beyond the room of their inception.

In addition to this fire-retarding quality in workmanship, quality and appearance these doors are of the highest grade. The company point to their use in many buildings of the first class as evidence of this reliability.

**Argentine Glass:**

Argentine glass, produced by Messrs. Seimon, Bache & Co., West and Hubert streets, New York, is said to have originated in a demand for a material that would combine all the usual qualities of glass when used structurally, with decorative effects that have hitherto only been obtainable in other materials.

Briefly described, Argentine glass is an opaque polished plate glass made in white, black and a variety of colors and shades, including raised effects. It is made in varying thicknesses up to about one and three-sixteenth inches, and in sheets as large as 75 square feet. It may be had polished on one or both sides, and edge polished and drilled to specification.

**Northern Pine:**

In literature recently issued by the Northern Pine Manufacturers' Association, it is claimed that any impression that white pine was soon to become like the dodo, extinct, is entirely erroneous. To support this contention, figures are given to show the enormous amount of white and Norway pine now standing and apparently little affected in quantity

by the large annual production of this widely used lumber.

It is stated that any one desiring to use white and Norway pine in construction work may specify it with the assurance that there will be no difficulty whatever in securing any quantity required.

**Ideal Bath Room Cabinets:**

In addition to having enameled metal backs, the bath room cabinets made by the Ideal Reversible Hinge and Cabinet Company, 2615 Franklin avenue, St. Louis, Mo., are fitted with the Ideal patent reversible hinge. This hinge allows the mirror front of the cabinet to swing in all directions, so that the mirror can be used while the cabinet door is open.

This is a distinctive feature of this cabinet, and puts it in a class by itself.

Each cabinet is 20x28x6 inches, outside measurement, or 17x25x4½ inches, inside, and fitted with a 10x16 inch beveled plate glass mirror. The shelves are either of enameled metal or plate glass. The cabinets come complete ready for insertion in the wall.

**THE OLD MAN.**

Who says that this is the age of the young man? It is the noisy young fellow who perhaps is making a spectacular flight. Very little thought will show that spectacular flights do not, as a rule, have pleasant endings. Give us the man who matures not too quickly and learns to work patiently in harness with others. There are thousands of them, all the way from fifty to ninety years old—you meet them everywhere—who are getting such results out of life that they are quite content to let others make a noise and attract the passing attention.

In this connection we were pleased the other day to read the following by a leader in Chicago business life:

"Among the men I hire nine out of ten are better workers at 45 years of age than are the men of 25 or 30."

This man believes that the man of 45 or thereabouts is at the prime of life, physically and mentally. He also holds that men of mature years are more reliable and less apt to become restless after a year or two in a position and to seek new fields. The average young man, he says, is seeking a "soft snap," and is not the sort of employe who will stick by his employer through thick and thin until his services become highly valuable, and, in many cases, indispensable.



## Architectural Notes

Lawrence Alma-Tadema died June 24 at Wiesbaden, Germany, where he had been taking the cure. Alma-Tadema was born at Dronkyh, in the Netherlands, in 1836. At the age of sixteen he went to Antwerp, to study under Gustav Wappers. His first great success was his picture "The Education of Clovis," painted in 1861. In 1869 he began exhibiting at the Royal Academy, and in 1870 moved to London. His career from this time was one long history of successes; elected an associate of the Royal Academy in 1876, he became an Academician in 1879 and was knighted ten years later. He was a prolific painter and numerous examples of his work are to be found in the leading collections of Europe and America. He painted with faultless refinement and accuracy and a sure understanding of color values. Some of his most famous pictures are "The Roses of Heliogabalus," "Spring," "Pyrrhic Dance," "A Reading from Homer" and "The Conversion of Homer." His body was buried at St. Paul's, London, July 5.

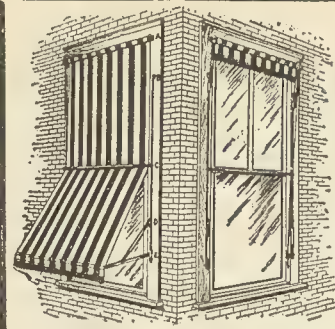
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Where in Europe would one seek for examples of domestic architecture that might serve as inspiration for a home in this country? asks a writer in "The House Beautiful." This question is often put to architects by intelligent clients going abroad, and the answer must depend largely on the personal predilections of the questioner. Just as Europe is divided into different countries, so is it divided into different styles of dwellings; in fact, there is more diversity in these than in municipal or ecclesiastic architecture, and the American who is looking for a prototype has a wealth of them to choose from. As is natural, American work echoes English more than it does any other—the half-timber style of Elizabeth's day and the beautiful English version of classic called Georgian, from which our Colonial is directly drawn. But other countries are also represented here. Of late the Italian stucco villa has found much favor, and one must admit that it is aptly set near the deep blue and in the brilliant sunshine of our Atlantic coast summer resorts. It is not for the moderate purse, however. Spain has furnished her share of inspiration, but the fact is better known in California and the Southwestern States; there is no doubt in the architect's mind that the East also will waken to the charm of the Spanish patio and to the fact

that it is compatible with inexpensiveness. French modern work, that is in small suburban villas, is generally conceded to be hideous, but old houses are fascinating. In Brittany, for instance, the half-timber work often excels that of England; old stucco farm houses are also full of spirit, and in a larger way, so are the smaller chateaux and manor houses of country gentlemen. Those in Normandy, with their superabundance of sloping roofs, exhibit some of the finest brick work in Europe and offer unlimited suggestion, for, after a quarter of a century of oblivion, Norman French is again coming into favor. To examine into all this embarrassment de richesse would probably leave a client too confused to make a choice; better to start strongly inclined towards one particular type and then go into it thoroughly on the spot. To go into it thoroughly does not mean to look at the outside of a few houses and to take photographs of certain features which one would like repeated in his own dwelling; but to examine houses inside and out and to comprehend that sterling honesty of construction that characterizes all old European work. Once a man comprehends that he will refuse cheap methods. Having noticed, for instance, that half-timber houses are made up of heavy oak beams that play a structural part as they travel across a stucco or brick facade, he will wax indignant over the mean boards seven-eighths of an inch thick tacked to the framing and stained brown that characterize our American simulated half-timber construction. In short, a client who discovers how old houses are built, returns one of the most sympathetic an architect could work for—one for whom it is a pleasure to create a distinctive home.

\* \* \*

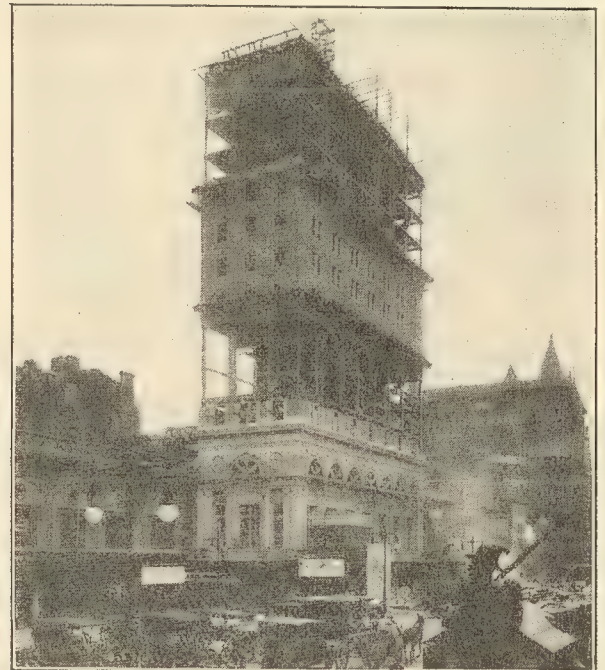
Thomas Pollock Anshutz, dean of the faculty of the Pennsylvania Academy of the Fine Arts, died at his home, Fort Washington, Pa., June 16, in the sixty-first year of his age. His loss is an irreparable one, both to the institution, which he had served for an uninterrupted period of thirty-two years, and to the art world in which he was an unique figure and a strong influence. Thomas P. Anshutz was born in Newport, Ky., October 5, 1851. While his youth was passed in the South and his early manhood in Wheeling, W. Va., practically the whole of his artistic career has been spent in Philadelphia, where he had become known as perhaps the most extraordinary instructor of his time, as



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well as an artist of very distinguished ability. Mr. Anshutz studied art at the Academy of Design, New York; at the Pennsylvania Academy of Fine Arts and in Paris under Doucet and Bouguereau. At the Pennsylvania Academy he was a student under that veteran instructor, Thomas Eakins, who survives him, and under Christian Schussele, who is long since dead.

In 1881, at the age of thirty, he became an instructor in the schools of the Academy. There were on exhibition at the time of his death a number of his canvases. The "Iris" and "The Incense Burner" were in Pittsburgh at the Carnegie Institute and the latter has been solicited for exhibition in the early autumn at St. Louis. The Pennsylvania Academy owns two of his finest works—"The Tanagra" and "Becky Sharp." In these may be studied the tremendous surety of drawing and modeling which were the painter's strongest attributes.

As a teacher his popularity was almost without precedent. As a painter Mr. Anshutz was cut off in the very flower of his production; his work was increasing in power and truth at every step and each canvas

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that left the studio was better than the last.  
—“American Art News.”

\* \* \*

It used to be inconsistent with British patriotism to praise anything American. Lately, however, some very genuine and generous admiration of certain of our achievements has begun to find its way into print. In the report of the last meeting of the Architectural Association of London, our own

present-day architecture was the theme, and several English members of the profession who had lately visited us told their conferees all about our newest buildings in terms of greatest praise. One of the speakers, after dwelling upon the spaciousness of the Pennsylvania Station, its lack of confusion and its absence of gaudy advertisements, said: “It is as if the directors and architect had agreed to startle the public not with the glare and noise of money-making, but with dignity and repose.”

This is particularly grateful to our ears, comments “The House Beautiful,” because dignity and repose are so generally denied (and perhaps justly enough) to the American people by foreign critics. When at last one publicly credits us with it, it shows an open mind; and if his open mind also finds a fault in us, we should give heed to that as well. The one thing this speaker reproached in modern architecture was its acceptance of sham materials in construction, and these in even the costliest buildings.

To be sure, such shamming does not emanate from the architect but from the client. The architect, however, who consents to the sham instead of stubbornly holding out for absolute sincerity in materials, is culpable. At the suggestion of a client one of the largest firms in New York specified, for a huge granite building, terra cotta blocks in imitation of granite to be used from the twelfth

story up. The terra cotta company submitted samples that were wonderfully deceitful, but, we are pleased to learn, with a protest. They humbly asked why, if there was not money enough to build with stone throughout, terra cotta that looked like burnt clay should not be used instead of terra cotta that looked like stone. As ordinary terra cotta blocks meant less money to the manufacturers than the carefully worked out imitation, their protest is proof that all business men have not submerged their ethical sense under practical considerations. Again, we heard of a client who wanted a brick colonial house, but not having sufficient money, proposed that it should be frame with a four-inch brick veneer outside, and, we are sorry to say, the architect consented, and even tried to justify his course by that worn-out excuse, “If I had said no, some other architect would have said yes.”

\* \* \*

On the subject of “Competitive Bids” “House Beautiful” observes:

“A prominent firm of decorators on being asked to figure on a suite of rooms in a sumptuous town house replied they would do so only on condition that the estimate was not to be in competition with other firms. ‘For,’ they explained, ‘we have a high reputation as a firm and individually; we pay the highest salaries I know of in order to secure the most talented designers. The concerns doing our cabinet work are the very best in the field; so are our metal and leather workers. To put all this uniformly excellent work into a room costs money; but it is worth it and we want only those clients who realize this and who will not expect us to estimate in competition with firms of lower standard; for these, by employing second-rate talent and material, can underestimate us by a thousand dollars or more. When you architects compete,’ and here the speaker turned to the architect of the house in question, ‘It is the artistic merit of your designs and not the cost of them that decides the winner! Now if you will tell me how much can be spent on this suite, I will draw up a scheme within your figure, but I will not send in an estimate in competition with other decorators.’

“Two similar experiences a few days later convinced the architect that these sentiments were general among the higher grade decorators. The first was where a firm figured, but under protest, on the hardware for a Spanish Renaissance library. They offered to make it for \$400 and lost to a firm who could do it for \$100. What the architects wanted was work of the best material and of individual design, and this was what the \$400 bidder offered; the \$100 man had simply specified stock articles; and as the owner did not know the difference the architect could not persuade him to pay four times as much to the competing firm. These latter vowed never again to waste their time on competitive estimates. The second case was when a set of fine iron gates for a university were under consideration. A well-known worker



in ornamental wrought iron when asked to estimate on the designs answered, 'I will give you my price, but not in open competition. These gates could cost anywhere from \$5,000 to \$50,000, according to the workmanship and material put into them. My reputation is such that I cannot afford to compete with cheap iron workers.' It was finally arranged that only he and one other, a man of equal standing, would be asked to figure; their estimates were almost identical.

"And so it is evident that to ask craftsmen to compete must necessarily reduce the standard of the work. This is why several of the best buildings recently erected in New York, including Columbia Chapel and the Stock Exchange, were given directly to reputable contractors without any preliminary competitive bids."

\* \* \*

There is so much to be said for fieldstone as a building material for use in any informal or semi-formal type of building that it is difficult to confine this to small compass, writes Samuel Howe in "Arts and Decorations." From the point of view of stability it is virtually everlasting, if care be taken in the selection and mixing of the cement. Nor can any one deny its appropriateness to any locality where fieldstone is native to the soil, for it is the material first to hand, and belongs from its very nature to the spot where the house is to stand. It will do more to make a building seem a part of its natural surroundings than even the cleverest general design, the use of local materials, indeed, being the underlying reason for the charming success of much English domestic architecture. In England there are odd tiles, special slates of blue, gray or green, and many special stones peculiar to certain localities, and the frank use of these materials has contributed very largely to the formation of that elusive quality of character which we find is so difficult to impart to our architecture in this country. Here we have a dire scarcity of building materials of marked or individual local character, and must perforce make the most of our native glacial moraine fieldstone in such parts as it is to be found.

Its possibilities for the expression of the picturesque cannot be overlooked in any estimate of American domestic architecture, and those houses in which it has formed the keynote of the design may even be said to be the only essentially "American" houses of which we may boast. Fieldstone demands, in the first place a certain type of house, thoroughly informal or semi-formal, or of any intervening degree of formality. It must have strong lines and bold masses, and its windows must be skillfully grouped. Above all there is nothing frivolous, artificial or insincere about the house of fieldstone.

In it the charm is distinctly and exclusively a matter of craftsmanship. The success is not in the drawing, for the drawing cannot foresee in what shapes and sizes the fieldstone will come. The success is not entirely made in "the office" as in some formal

architecture, but on the spot. The architect would very likely prefer to pick and choose the stones to suit himself. But the architect under our system cannot be mason, carpenter and smith, and if he could, could only build half a dozen houses in a lifetime. He has to divide the work, and divide also the enjoyment of it.

In detail there will be found infinity of delightful and interesting surprises and charms. In color there is a wide yet blending range—grays, browns and even blues,—separated one from another and diversified by the mortar joints. In texture there is a general consistency combined with an infinite variety, while in matters of construction there are continual surprises and never-ending interest.

As to the cost. Of course there are many

ways and some prefer a general contract for the entire house, of which the mason work is simply one of the trades. The wiser plan, however, and the one more generally followed by architects hereabouts, in the building of small houses, is where an arrangement or separate contract is made with the mason and possibly a second with a farmer for the collection and carting of the stone, under direction. With most of the other trades much can be done in the way of pointing up, making over and altering at various stages of the work, but stones of a rustic type do not invite this form of building. Repairs are difficult.

There will always be in a house built in this manner an unmistakable evidence of thought and affection shown by the workman in his craft.

## COMMERCIAL ARCHITECTURE

CHARLES H. BEBB, F. A. I. A.

It may perhaps be conceded that commercial architecture as differentiated from ecclesiastical, residential and monumental architecture, may be described as the part of designing business buildings—the buildings that line our public streets and fill our manufacturing and warehouse districts. It may also be conceded that a commercial building is primarily a utilitarian and business proposition.

It is necessary, therefore, that an architect, to be successful and capable of maintaining a high professional standard, must be able to meet his client first and foremost on utilitarian grounds and convince him, that from that standpoint, his services are necessary and valuable and that by his expert knowledge in the manifold intricacies of modern construction and design, his employment will mean a resultant benefit to the client's pocketbook.

It must be admitted that the "Commercial" building public knows little and cares less about art or architecture. It is not surprising, therefore, that the standing of the architect with this class of client is very indifferent, from the fact, that without due consideration or analysis, he sets him down in his mind as something of an "artist" and a dreamer of "things beautiful." When the necessity arises for his employment, the client is more often than not a skeptic. He is from Missouri, and in all things pertaining to the building, it is a case with him of "show me."

It is not at all an uncommon occurrence for a client, after the architect has completed his plans, and specifications to make secret investigation of them. He will consult (gratis of course) some friend in the steel business as to whether or not there is too little or too much steel in the building. Possibly a friend in the plumbing supply business (on the same terms) to inform him whether the plumbing system is laid out correctly and where money could be saved, or some self created heating expert, possibly the agent for the sale and installation of a patented system of heating,

as to the heating system. And so on down the line. All of which tends to show that there is a woeful lack of confidence on the part of the client toward his architect, and that he approaches the enterprise of erecting a commercial building with trepidation.

In the matter of design the client is very apt to say: "I want you to understand that you are not building a monument to yourself, and I want you to cut out all fuss and gingerbread." This is probably as far as his instructions on this point will go, unless he has some preconceived notions as to materials, or colors that he wishes selected.

A further disturbing element that adds to the confusion and unrest in the mind of the client, particularly out here in the west, is the unfortunate fact that he is always ready to listen to some self styled expert who calls upon him and tells him how he can save money and economize by using this system or the other. No sooner does the press announce that Blank & Co., will improve their property, and have selected Jones & Jones as their architect, than they find the volume of their mail perceptibly increased, and are daily favored with calls from "experts" whose sole object, apparently, is the benevolent one that they have come to save them money, if their particular form of construction, or system of heating or plumbing is adopted and their architect is instructed to use it.

It is not intended by these remarks that the client should not use every business precaution and careful consideration not only in the inception, but in the development of the undertaking. There is, furthermore, no doubt of shortcomings both among the older as well as the younger members of the architectural profession.

How then can the relation between the client and the architect in commercial undertakings involving the employment of the latter be ameliorated.

(Continued on page 522.)



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# Editorial Comment

Some weeks ago "The Guide" seized an opportunity to say that however valuable fire protective devices may be within their several limitations the difference between the percentages of fire losses here and abroad was not due to the use of these devices so much as to the wise system of fire prevention maintained in Europe involving laws against carelessness much more drastic than anything we have on this side of the Atlantic, and differing from many of our own laws in that they are rigidly and scrupulously enforced.

In other words, the idea we sought to convey was that fire losses could be as effectively and much less expensively reduced by raising the standard of American building and enforcing sensible regulations against the careless handling of inflammable goods as by installing sprinklers by wholesale and reducing all architecture to terms of concrete and metal trim. A number of gentlemen who have money invested in concerns making fire-fighting devices of the automatic type became virtuously indignant at the crass ignorance we displayed in giving expression to views so lacking in the ordinary earmarks of intelligence and hastened to say so in communications more heated than polite. For weeks following, "The Guide" office was all but bombarded by a steady fusillade of pamphlets, booklets, folders and other publications trumpeting the proved utility of various and multifarious appliances designed to afford protection against fire.

Senders and writers alike gathered the same impression, viz., that "The Guide" was either opposed to the use of their devices or at least had questioned their value as efficient factors once fire was under way. As a matter of fact, "The Guide" was not opposed to the one nor had it questioned the other. Sprinklers have proven effective in many instances and metal trim upon more than one occasion has confined what might have been disastrous fire within the boundaries of a single room. "The Guide's" point was that fire prevention is of vastly greater importance than fire retarding and that the much smaller fire loss in Europe is due not to the general use of concrete, fire-checking devices and metal trim, but to the intelligently conceived and sensibly enforced regulations there in vogue against careless building and the criminally careless handling of inflammable materials. "The Guide" expressed incidentally the opinion, which it here reiterates, that as between absolute fire proofing and stark ugliness and a certain element of risk with beauty and artistry we should unhesitatingly choose the latter.

Hon. Robert Stone, of Topeka, Kansas, addressed the business men of that city recently on this subject of fire losses in a vein strikingly reminiscent of the views entertained by "The Guide." Pointing out the

fact that fire losses abroad have been one-tenth of those in the United States, Mr. Stone went on to say:

"We are a nation of money makers, Europe is a nation of money savers. We are a people of waste; they are a people of thrift. We figure that the most important thing is to make a dollar, and they that it is of equal importance to save one. This is evidenced in our hurried construction of inflammable buildings, and in their slow and solid masonry; in our willingness to pay a high rate of fire insurance with the attendant risk, and their insistence on a low rate and unceasing care; in our elaborate fixtures for the putting out of fires, and their precaution in preventing fires. We regard a fire as a misfortune, and sympathize with the man who has had one; they regard fire as a crime, and investigate and punish the man who is guilty. Our temperament is also shown by the different view we take of an insurance policy. Here, if our property is insured and we have a fire, we do not count it as a loss; simply that we have transferred the loss to other and distant shoulders. There, the insurance is regarded as a tax, which is ultimately borne by everyone.

"We figure that the insurance company restores the loss; they, that it merely indemnifies the owner for a loss which can never be restored. We endeavor to extinguish the fire; they labor to prevent it. We are losing a fortune every year; they are saving one."

Within condensed space this states the whole problem "in a nutshell." Just as advanced medical science is busy with processes to prevent disease rather than to treat it so should advanced national intelligence come to the consideration of how to prevent fire rather than how to quench it. Ex-Fire Chief Croker is quoted as having said that fully 80 per cent. of all fires could be prevented by the exercise of ordinary prudence in guarding against unnecessary risk. A German official here on the occasion of the recent Waterway Convention expressed himself as simply amazed at the laxity and incompetence of American inspection. Has it never occurred to the gentlemen who are intent upon reducing American fire wastes that much might remain to be done along these lines as well as along the lines of retardant and protective devices?

\* \* \*

The evolution of the stucco house is most entertainingly sketched in an address delivered by one of its members before the Northwestern Cement Products Association. We make no apologies for quoting from this address the following paragraphs:

"We do not know how early in human history lime was discovered. It was very long ago, perhaps 6,000 years. No doubt



some householder built fireplaces of limestone and saw them calcine before his eyes. The stone crumbled and turned into a white powder, afterwards becoming hard when water was applied. The addition of sand naturally followed to save expense, and the addition of sand was found to make a firmer and harder stone, and the mixture of lime and sand set much faster than the lime alone, when mixed with water into a mortar. Lime mortar was soon introduced into the interior of houses to form a base on which to decorate the walls. On the outside a small admixture of clay was found to enable it to better resist the action of the elements. Some man later found that when gypsum was calcined the result was what we know as "plaster of Paris," which was used to shorten the time of setting and make a harder plaster.

"The addition of about 50 per cent. of ground brickdust or clay to lime-paste made a hydraulic cement, one that would set under water. This discovery, made very early in the history of construction work, enabled men to erect important maritime works and cover houses with stucco which has lasted for centuries. The Romans mixed ashes from volcanoes in the vicinity of the village of Puzzuoli with lime and produced the famous 'Roman cement,' the secret of which was lost for nearly ten centuries, and the search for which led to the discovery of Portland cement. The use made of Roman cement in making stucco was well known, but as the centuries went on without Roman cement, the masons forgot that anything better than lime had ever been used for mortar, either for interior or exterior work, and houses plastered on the outside were erected for poor people in all countries. The plaster was not durable, and only in Italy, where many trade secrets were preserved among masons, did the stucco house persist. A century or so ago the use of plastered exteriors came in again for houses of a good class, and plasterers and masons from Italy were employed. With the discovery of Portland cement the stucco house immediately became popular."

\* \* \*

The August number of "The Craftsman" prints an appreciation of the work of Mr. Irving J. Gill, a Pacific Coast architect, under the title, "A New Architecture in a New Land."

"In the West, where man not only dares to be honest but is encouraged in every way to express himself," comments the writer, "there has arisen a simpler and more distinctive architecture. One architect of the coast, Irving J. Gill, after wandering for years among the inspired work of the past—Greek, Roman, Italian, early English—groping hopefully through the maze that every architect is forced by custom and education to thread, dissatisfied with the best that he could produce and convinced of the absurdity and dishonesty of plagiarism, has had the courage to throw aside every accepted belief of the present day and start afresh with the simplest forms, the straight line, the arch,

the cube and the circle. And he uses these without ornamentation, save for the natural grace of a clinging vine that is allowed to trail about a doorway or droop over the severe line of the roof. Instead of delving into the past works of great men, trying to adapt what has been to the conditions of the present, he bends his efforts to determine what should be, regardless of precedent.

"By this return to fundamental needs, he has hit upon an architecture so simple and beautiful that restless tourists, practical business men, workmen, architects and artists turn aside from their work or play on the highway, just for the pleasure of seeing so satisfying a thing as a house of his designing.

"The homes are so free from all ornamentation that they become the center of interest wherever they are placed, just as a simple child free from coquetry and dissembling, delights the eye and touches the heart while it unconsciously shames the artificiality of diplomats and censures the worldlings dwarfed by hoarding other men's wisdom."

Accompanying the article are a number of illustrations in half-tone showing "the new architecture"—a freakish affair resembling a succession of soap boxes set up on end and garnished with pergolas. If these represent the new architecture "The Guide" will have to declare afresh its unyielding adhesion to the old.

\* \* \*

The importance of paint as a preservative is more generally recognized in theory than emphasized in practice. An article in "The American Paint and Oil Dealer" draws attention to this importance in a way likely to cause it to stick in the memory of those who read the article. Hence its reproduction here in "The Guide's" comment:

"A law passed by Congress compelling property owners to paint every wooden, steel or iron building immediately upon its erection, and to repaint it at least every five years, might be considered by some as a hardship," says the publication in question, "yet such a law would enforce the greatest national economy ever proposed, one beside which disarmament itself would seem insignificant so far as the saving of dollars alone.

"Such a law would save property owners in America hundreds of millions of dollars annually, and the cost would actually be about one-third of the present cost of repairs to unpainted structures caused by rotting, rusting and general wear and tear. Statistics prove that in all sections of the United States less than 25 per cent. of the houses are painted. This is largely due to ignorance. Most people paint for the sole purpose of appearance, though that should be the last reason for using paint.

"It costs three times as much not to paint as it does to paint. The cost of repairs to unpainted structures is three times the cost of painting.

"Lumber or steel lasts for ever if kept well painted; it rots or rusts out in a few years or even months, if not kept painted.

Paint is the one free luxury, for it pays for itself three times more than it costs.

"We will give one not unusual instance of fact showing the economy of painting. In the South to-day is a house built in 1857. It has been painted at least every five years and practically nothing has been spent on its repairs. The owner and his family have enjoyed the luxury all that time of living in a clean, well-kept and attractive home. In 1887 a house was built immediately adjoining the old one; it is similar in design and size, and was painted when erected, but never since. To-day it would cost more to put it in repair than the entire cost of painting the older one all the years since it was built, and in the meantime the owner has lived in a dilapidated, unsightly and run-down house.

"Take a board, paint it and set it beside a similar one unpainted, where the sun, rain, snow, gases of the air and innumerable other destructive elements are fighting a battle royal with them night and day. In six months you will be amazed at the deterioration of the unpainted one, while the other will show no change whatever."

The moral of which is—to paint regularly, not merely to keep the building painted attractive, but to prevent costly deterioration and decay.

## RECENT TRADE LITERATURE.

We are in receipt of an attractive folder from Mr. Henry R. Worthington, 1516 North American Building, Philadelphia, describing the Worthington water meter, the most accurate and reliable device of its kind on the market. This meter represents the most advanced practice, eliminating the weaknesses which have been encountered in the past in other similar meters. It is simple in construction, the workmanship and finish are of the highest grade and all parts are made to gauge. A water-balanced disc is employed, thereby reducing wear to a minimum.

Copies of this folder may be had on request.

\* \* \*

The Reynolds Flexible Asphalt Slate Shingles, Grand Rapids, Mich., are illustrated and described in a new booklet just received from them. Many testimonials are included in the contents, and the reader will do well to examine this booklet.

\* \* \*

A Warm Friend—is the title chosen for the red booklet of the Holland Furnace Company, Holland, Mich., just received at this office.

\* \* \*

Corb-Mesh is the rather striking name chosen by the Corrugated Bar Company, Buffalo, N. Y., for their product and the booklet sent out to describe its special advantages. Illustrations, working diagrams and exhaustive directions for use fill fifty pages of this large booklet.



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#### COMMERCIAL ARCHITECTURE.

(Continued from page 519.)

The first step toward this end is to thoroughly inform the building public what an architect, of high professional standing, really does for the fees that are paid him. The measure of the success of the architect who does commercial work is the measure of the success of the buildings he erects. The modern commercial building of to-day is a complex study. It involves a thorough grounding in the sciences that are comprehended in the term, "building engineering." It is safe to say that no man is an expert in all of them. The competent architect knows his own limitations, and when a problem arises in any branch beyond his own powers of solution, he employs a special expert in that case for the protection of his client's interests.

The building when completed must be harmonious whole, a smooth running, economical working machine.

The client has the right to, and should expect the solution of his utilitarian project in terms of beauty. It must be utilitarian first and beautiful afterwards. If a client instead of building was purchasing, and two buildings were offered each costing \$100,000, each having the same rentable area and the same working facilities, the one well designed and harmonious and attractive in its appearance, the other common-place and disturbing, which would he purchase? Herein lies the commercial value of good architecture considered only from the standpoint of the spirit of the present age.

The trained architect of experience brings to bear upon the solution of the problem of design, elements of thought and study, the details of which are not of interest to his client. It may safely be said that he is conscientiously working at all times with due regard to the needful economy of cost insisted upon by the client.

The building to be designed must have the utilitarian element in its conception, in other words, the design must fit the purpose for which the use of the structure is intended. The relation of the design is considered in regard to the location. It should harmonize with the surrounding buildings, if others exist in its vicinity. Incongruity in design of adjacent buildings destroys the very much needed harmony in our streets. A trained architect is not above subordinating and restraining his own individuality in the matter of design in order to produce the best effects in the interests of the general impression in relation to the street. Widely divergent types or "styles" of architecture should not be erected in juxtaposition. Heights of buildings may and will vary, but their color schemes while not necessarily the same should be in harmony with each other.

It must not be considered that a uniform monotony in street fronts is advocated, but a warning is intended against erecting some vulgar monstrosity entirely out of keeping with its adjacent neighbors. Diversity in monotony is recognized as a principal of natural beauty, may it not apply equally in the upbuilding of our street fronts. It belongs to the architect to elevate the standard of public taste in design. If the true meaning of architecture is the expression of ourselves, it is time we avoided caricature and the "motley" in our buildings.

It may be granted that the prosperity of a community or city is evidenced by its buildings, but the measure of the intelligence of a community will be judged by the nature rather than the extent of them.

Enlightened reason, and underlying sense of beauty are the first essential elements in developing good architecture; as the building public becomes more critical acquiring by precept and good example, a better knowledge of beauty and utility in matters architectural, so shall we have better buildings and our cities become more simple and dignified and reposeful.

Aside from the question of plan and design the successful architect must have acquired a

thorough business training. He, it is who handles the business end of the undertaking, watches the construction of the building, safeguards with due vigilance the financial interests of the client in the cost of the building, issues certificates against the owner in payment of the contracts and is responsible for their correctness.

The architect who faithfully performs all of these services is certainly entitled to the complete confidence of the client, and having it, can always produce the best results.—  
"The Western Architect."

#### WOODOLEUM FLOORS.

Woodoleum flooring, a sanitary, fireproof floor covering, which, applied in a plastic condition, quickly hardens into a resilient, durable, practically noiseless floor, is advertised in this issue.

No material which has stood steady use in the Curtis Building, Gimbels' Dining Room, Haverford College, Mary Drexel Home, Mercantile Club, Young Republican Club, U. G. I. offices, bath rooms of the Girard Estate operation, etc., needs any further references. The day of interior angles has passed. The Woodoleum Company puts down a floor and baseboard or floor and wainscoting which is one solid piece no matter how large the room. At the junction of the floor and base or wainscoting the material is swept up into a curve of several inches radius, a sanitary cove, as it is called, eliminating the usual refuge of dirt and vermin between floor and baseboard.

Another excellent use of the material is in renovating old and worn stair treads. A thin layer of this material takes up all the wear of wooden treads and puts them in shape to last again for years.

The Woodoleum Flooring Company has a large factory, with railroad siding, completely equipped with machinery and materials for the manufacture of this flooring composition, as well as a large and highly trained force of workmen to put down the floors.

The Woodoleum Flooring Company is now under new and competent management and is located in the Betz Building, Philadelphia.

#### STAINLESS CEMENT COMPANY TO ABANDON PRESENT PLANT.

The Blanc Stainless Cement Company, of Allentown, Pa., has suspended business at its present location. The company made white cement and was organized seven years ago by J. Maxwell Carrere, brother of John M. Carrere, the famous New York architect. The Allentown plant to make white cement was an experimental undertaking from an artistic standpoint and it is the intention of the company to establish a new and larger plant at a point closer to raw material. Mr. Carrere, who is a graduate of the Columbia School of Mines, is satisfied that with the development of the industry the white cement will largely displace plaster on account of its superior quality and cheapness.



## Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

\*\*Members of the Lumbermen's Exchange are anxiously awaiting the word as to when the annual baseball game with the Master Builders' Exchange will take place. The proceeds of the game between these associations go to charitable institutions, thus affording the members to do a little good and have some fine sport at the same time. Chairman George A. Howes, of the office and entertainment committee, who has this matter in charge, has had considerable difficulty in arranging the event owing to inability to complete arrangements with the builders. For a time it looked as though the annual stunt would have to be called off, but at the present time it looks as though the battle would take place on the grounds of the Philadelphia National League team some time in September.

\*\*The Philadelphia Wholesale Lumber Dealers' Association had a big time recently at the Philadelphia Cricket Club. The affair was the annual mid-summer meeting and golf tournament. A delightful dinner in the beautiful clubhouse, at St. Martins station, ended the event.

\*\*Pierce, Butler & Pierce Manufacturing Company announced the removal of its Boston office and show rooms to the corner of Federal and Franklin streets, on July 1.

\*\*The American Enamelled Brick and Tile Company, of South River, is working to capacity. The demand for the product of the firm has improved, as compared with previous years, and the situation is better than ever before.

\*\*The Sayre & Fisher Company, of Sayreville, employing 1,500 hands in its extensive brick works, is running to capacity.

\*\*MacArthur Concrete Pile and Foundation Company, 11 Pine street, New York, has been awarded the contract for placing the pile foundations for a large factory building for John B. Lewis & Bros. Co., of Philadelphia. This foundation will be composed of 500 concrete Pedestal piles. The Turner Concrete Steel Company, of Philadelphia, is the general contractor.

\*\*Information went out to the trade this week to the effect that the Concealed Transom Lift Company, of 437 Fifth avenue, of which Ernest E. Bell is the president, has taken over from the McCrum-Howell Company selling rights to the Richmond Concealed Transom Lift, which architects will recall, have been specified by Cass Gilbert in the Woolworth Building. The Concealed Transom Lift Company was the original owners of the Concealed Transom Lift, but selling rights were taken over by the McCrum-

Howell Company, and until recently when the concealed lift reorganized and again resumed the selling rights.

\*\*Charles L. Hillman and Charles S. Hillman wish to announce that they have formed a co-partnership for the practice of architecture under the style of Charles L. Hillman & Son, Provident Building, 50 South Fourth street, Philadelphia, Pa.

\*\*The School District of Williamsport, Pa., will hold a competition for plans for a proposed \$200,000 high school building, said competition to begin August 1 and end November 1. A program outlining the requirements for entrance in the competition will be mailed to competent architects upon application to the chairman of the building committee, Edward L. Taylor, Northern Central Trust Company, Williamsport, Pa.

\*\*The three types of buildings in which the lenders of money consider New York overbuilt at the present time are apartments, hotels and office buildings.

\*\*H. W. Blocksom, the well-known plaster salesman who has been calling on the trade tributary to Minneapolis, has recently become sales manager of the Wasem Plaster Company, of Fort Dodge, Iowa. The Wasem Plaster Company is composed of four brothers who have recently entered the plaster field. They are: Adam F. Wasem, president; William A. Wasem, vice-president; Henry M. Wasem, secretary; Otto E. Wasem, treasurer and general manager. Their specialty is Monarch Plaster, but they manufacture other gypsum products.

\*\*Construction of the new plant of the Pittsburgh Tile Roofing Company, at East Liverpool, O., which is in the Pittsburgh district, has been started. The new company has secured a Pennsylvania charter, and, while main offices will be maintained at East Liverpool, sample rooms and branch offices will be maintained at Pittsburgh. The new company has a capital stock of \$25,000.

\*\*J. H. France, of Phillipsburg, Pa., and general superintendent of the General Refractories Company, with offices in Pittsburgh, and having plants at Sandy Ridge, Blue Ball, Claysburg, Pa., and several in Kentucky, has taken over the business of the Karthaus Fire Brick Corporation at Clearfield, Pa., and with it over 600 acres of valuable clay lands. The capacity of the new plant is to be increased to 60,000 brick per day.

\*\*The big cement shows for the next season will be held at Chicago and Pittsburgh, according to announcements made by officers of the Cement Products Exhibi-

tion Company at their offices in Chicago. There will be no shows at either New York or Kansas City. The date set for the first Pittsburgh cement show is December 12 to 18, 1912; the show will be held in Exposition Hall, Duquesne Way, Pittsburgh. The annual Chicago exposition will be held as before in the big Coliseum. The date for the Chicago show has been set for January 16 to 23, 1913. With the information as to the cement shows comes also the announcement by President Richard L. Humphrey, of the National Association of Cement Users that the ninth annual convention of this association will be held in Pittsburgh in December in connection with the show. An active pre-convention campaign for members is being successfully conducted by Edward E. Krauss. The selection of Pittsburgh for a show and the abandonment of New York was based upon the desire of the management to hold a show in a new territory.

\*\*Toronto is suffering from a brick famine. Everywhere in that city buildings are being held up by the impossibilities of obtaining brick, and contractors and builders are having an anxious time. Combined with the scarcity of brick, there threatens to be a shortage of bricklayers in Toronto. Rather than wait about in idleness, bricklayers are leaving the city.

There are about a dozen brick yards in Toronto with drying plants which allow them to work the entire year. The other and smaller outside yards depend on weather conditions, and can produce only about five months in a year. The exceptionally late spring this year, which left the frost in the ground in that part of Canada until May 1, has held back the opening of the outside yards and this, combined with the unprecedented activity in the building trade, has caused the present shortage. It will probably be the end of the summer before the brick makers catch up with their orders.

\*\*The Central Clay Products Company of Pendleton, N. Y., whose main office will be in North Tonawanda, N. Y., have elected the following named officers: President, H. Jason Knapp, of North Tonawanda; secretary and treasurer, L. R. Stevens, of Lockport; general manager, E. B. Reed, of Clearfield, Pa. The company has been capitalized at \$75,000 and will locate a large paving and building brick manufacturing plant at Beach Ridge, just east of this city.

\*\*In the next few days brick will be made at the new plant of William H. Grothe, at York, Pa. Two kilns have been erected, and the work of installing machinery in the yard is now in progress. The plant will be equipped with a Henry Martin brick press and a 200-horse-power plant. The large steam dryers have been erected and workmen are now engaged on a third kiln and completing the other details at the plant.

\*\*The Howard brick plant at Bellefontaine, Pa., has been put in operation after a year's idleness. The company has been reorganized and the following officers elected: President, D. Al. Irvin; vice-president, W. H.



Long; secretary, Charles G. Bowers; treasurer, Balser Weber. The above four men with Matthew Rodgers constitute the board of directors. Fred T. Bard, of Wallacetown, who has been with the Williamsburg Brick Company at Bigler, has been chosen as general superintendent. The plant started with a force of twenty-five workmen and will be operated two months. If at the expiration of that time there is a demand for the output of the plant it will be continued in operation.

\*\*Joseph V. Woodworth, consulting engineer at the New York office of the Taft-Pierce Manufacturing Company, Woonsocket, R. I., has resigned and accepted the position of consulting engineer and New York representative of the Boston Pressed Metal Company, Worcester, Mass., with offices in the Tribune Building, New York.

\*\*Reports from Memphis, Tenn., are to the effect that at least sixty-five manufacturing plants have moved to that city as a result of its recent advertising campaign. The business men of Memphis believe that advertising pays.

\*\*The American Sheet and Tin Plate Company has begun the erection of one hundred houses for its Pittsburgh employees. They will be of concrete and the estimated cost is \$400,000.

\*\*The Wheeling Ad Club, recently organized, has elected as its secretary Mr. H. F. Gordon, of the Wheeling Corrugating Company, Wheeling, W. Va.

### COPPER CORNICES ON LARGE BUILDINGS.

To the sheet metal operator a gratifying feature of modern building practice is the pleasing and dignified appearance of large copper cornices in the construction of tall office buildings and other imposing business structures. Especially are they used with good effect on the many large buildings in which terra cotta tile and light hued stone constitute the principal wall surface. The unpainted copper cornice of deep projection, suitably embellished with brackets and stamped work of tasteful design, lends itself admirably to the purposes of the architect, contributing as it does to an impressive architectural effect as well as to substantial and permanent construction, while disposing of the problems and difficulties of erecting secure cornices of stone or concrete. The attractiveness of the copper cornice is rather heightened by exposure to the weather and the resulting oxidation of the metal, which in time presents an exceedingly rich appearance. Of course the dignity of the building is considerably enhanced where such cornices are carried around both its front and sides.

Unfortunately there are many architects who make it their habit to exclude the use of sheet metal in the exterior treatment and finish of massive buildings, but the copper cornice commends itself for extensive use in connection with such structures, a fact which has found recognition by many leaders of

the profession, and it is now seen with greater frequency on large city buildings of recent construction.—“The Sheet Metal Shop.”

### BOOST.

Fall in while the band's a playin'  
Ketch the step and march along—  
'Stead o' pessimistic brayin',  
Jine the hallelujah song!  
Drop yer hammer—do some rootin'—  
Grab a horn, you cuss, and split  
Every echo with yer tootin'—  
Jump the roost  
An' boost  
A bit.

—Exchange.

### WHY ASBESTOS ROOFING HAS BECOME SO POPULAR.

The satisfactory results of building construction is dependable to a great degree upon wearing, fire and waterproof qualities and upkeep of roofing. The selection of a roofing which will not be too expensive in price, and yet wear for years without painting or graveling and furnish absolute protection against fire and climatic conditions, has always been a study of considerable moment to engineers and contractors. The list of roofing materials manufactured to-day is a long one, and some of them embrace excellent features. Men experienced in roofing problems look upon asbestos roofing as a natural protection against all destructive elements because it is made of a natural mineral that has already proved to be practically indestructible by not being injured by exposure to the elements for centuries; and the wearing and elastic qualities of the material are not deteriorated in processes of manufacture, or preparation for roofing uses.

Fire cannot get through an asbestos roof from the surface; and from underneath only after the sheathing boards and timbers have burned away and allowed them to fall, the roofing being carried with them. The saturated and cementing oils cannot be drawn from asbestos roofing by the heat of the sun, therefore it retains the waterproofing oils indefinitely. In the test which was recently made, the intense flame of a blow-torch was held on a piece of this roofing for nearly an hour without burning or injuring the roofing any more than to blacken it.

Owing to the increasing demand for a cool roof, the white surface asbestos roof is especially valuable where comparatively low summer temperatures are desired on the inside of the building. An actual test made at a large Cleveland, Ohio, clothing factory in the summer of 1908, showed a difference of eighteen degrees between a black and white surface roof, the thermometers being suspended four feet below the under side of the roof.—“American Carpenter and Builder.”

Play-it-on-a-hunch advertising is not the kind that wins out. The steady, persistently repeated note of appeal is what tells.—Cement World.

### THE GROUND FLOOR FLAT.

By Percy Shaw.

I must admit the ground floor flat,  
With woodwork white and paper gray,  
Against our wills convinced us that  
We ought to sign a lease and stay.  
For everything was spick and span,  
The bathroom tiled, the kitchen neat,  
The bedroom done in restful tan,  
With parquet floor and window seat.

So we succumbed, moved in and sighed  
With joy at being richly blessed  
To feel that after all we'd tried  
We'd found the perfect city nest.  
We hung our pictures, fixed our rugs,  
Sat down with zest to mutton stew,  
Until with horrifying chugs  
An auto stopped across our view.

I looked at Madge, she looked away;  
We held our breath and then she said:  
“How long do you believe 'twill stay?”  
Alas I sadly shook my head.  
With salad came a new machine;  
Ten boys on roller skates whizzed by;  
Five nurses chattered on the scene,  
An old clo' man raised piercing cry.  
Midnight arrived, we heard the wails  
Of babies echo down the court;  
The clang of iron cans and pails  
The shrieks of cats that sang and fought.  
What could we do? the lease was signed,  
There was no way to alter that.  
So, reader, pause, if you should find  
Life's perfect dream—the ground floor flat.  
—“Bulletin Real Estate Board of Brokers,”  
New York.

While it pays to think, it is thought in action that puts money in the bank.—Exchange.

When you don't advertise nobody knows that you are doing business, and it won't be long before you'll not know it yourself.—Ex.

## PATENTS

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### REAL ESTATE TRANSFERS.

Summary for week ending August 3, 1912:  
 Number of transfers ..... 514  
 Amount of transfers ..... \$1,734,385.00  
 Cash consideration ..... 284,185.00  
 Mortgage consideration ..... 1,450,200.00  
 Ground rent consideration .... 26,072.25  
 Which on a 6 per cent basis  
 amounts to ..... 434,537.51



# Reference Directory for Architects, Builders and Owners

## Artists' and Architects' Supplies.

F. Weber & Co., 1125 Chestnut st., Phila.

## Architectural Iron and Metal Work.

John L. Gaumer Co.,  
22d and Wood sts., Phila.

## Awnings

Bernard McCurdy,  
N. E. Cor. 9th and Arch sts., Phila.

## Brick (Face, Etc.)

United Brick and Clay Products Co.,  
Morris Bldg., Phila.  
O. W. Ketcham, Builders' Exchange, Phila.

## Brick Renovating.

Adolph Christensen,  
1433 Brown st., Phila.

## Blue Prints

Blue Print Co., 1516 Chestnut Street, Phila.

## Boilers and Stacks.

Lindemann Engineering Co.,  
Drexel Bldg., Phila.

## Brass and Bronze Work.

John L. Gaumer Co.,  
22d and Wood sts., Phila.

## Builders.

Mitchell Bros., 2125 Race St., Phila.  
Pomeroy Const. Co., 1609 Ranstead st., Phila.

## Builders' and Contractors' Machinery.

Henry T. Peirce, Bulletin Bldg., Phila.

## Canvas Roofing.

The Franklin Paper Co.,  
718 Cherry st., Phila.

## Cement.

Samuel H. French & Co.,  
4th and Callowhill sts., Phila.  
Chas. Warner Co., Land Title Bldg., Phila.  
Knickerbocker Lime Co.,  
266 N. 24th St., Phila.

## Cement and Asphalt Paving.

Wm. Krause, 1621 N. 5th St., Phila.

## Cement Colors.

Samuel H. French & Co.,  
4th and Callowhill sts., Phila.

## Cold Water Painting.

William B. Southern,  
N. W. Cor. 12th and Spruce sts., Phila.

## Concrete Engineer.

Conklin Engineering Co.,  
Heed Building, Phila.

## Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,  
10th and Chestnut Sts.

## Elevator (Lubricators.)

American Engr. & Mfg. Co.,  
Real Estate Trust Bldg., Phila.

## Engraving, Photo and Line.

Chestnut Street Engraving Co.,  
7th and Chestnut sts., Phila.

## Fire Protection Equipment.

Jas. Boyd & Bros.,  
25th and Wharton sts., Phila.

## Flag Poles (wood and steel).

Bernard McCurdy,  
N. E. cor. 9th and Arch sts., Phila.

## Floors and Floor Finishing.

Fritz & La Rue,  
4800 Parkside ave., Phila.

## Furnishers and Decorators.

Duncan & Duncan, Inc.,  
1724 Chestnut st., Phila.

## Furnaces and Ranges.

Bartlett & Co., 1938 Market st., Phila.  
Henry M. Miller, 40 N. 2nd st., Phila.

## Gas and Gas Appliances.

United Gas Improvement Co.,  
Broad and Arch sts., Phila.

## Graphite Paint.

Jos. Dixon Crucible Co.,  
1020 Arch st., Phila.

## Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

## Heating (Warm Air.)

Makin Heating Co., 6 N. 18th St., Phila.

## Iron Work (Structural and Ornamental).

W. E. Wark & Co., 1737 Filbert st., Phila.

## Lighting Fixtures.

Logue-Stronge Mfg. Co.,  
435-37 N. Broad st., Phila.

## Metal Ceilings.

Penn. Metal Ceiling and Roofing Co.,  
2200 Hamilton st., Phila.

## Metal Furniture.

Edward Darby & Sons Co.,  
233 Arch St., Phila.

## Metal Tile.

American Perfectile Co.,  
1526 Sansom St., Phila.

## Marble Mosaic.

Belfi Bros. & Co.,  
20-22 S. 19th st., Phila.

## Metal Doors and Trim.

R. R. Hammond & Co.,  
Land Title Bldg., Phila.

## Mill Work.

Frank C. Snedaker & Co.,  
9th and Tioga sts., Phila.

## Mortar Colors.

Samuel H. French & Co.,  
4th and Callowhill sts., Phila.

## Mouldings (room and picture).

B. B. Funston, Inc. 146 N. 10th st., Phila.

## Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th St., Phila.  
Samuel H. French & Co.,  
4th and Callowhill sts., Phila.  
Pyramid Paint Co., 131 N. 22nd st., Phila.  
E. E. Nice 272 S. 2nd St., Phila.

## Parquetry Floors.

Strawbridge & Clothier,  
8th and Market Sts., Phila.  
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Henry M. Miller, 40 N. 2nd st., Phila.

## Refrigerators.

Henry M. Miller, 40 N. 2nd st., Phila.

## Roofing Slate.

C. F. Shellenberger,  
Builders' Exchange, Phila.  
Bangor Slate Co., Inc., Bangor, Pa.

## Roofing Slate (black and colored)

Wm. Moore Co.,  
Real Estate Trust Bldg., Phila.

## Roofing Tile.

C. F. Shellenberger,  
Builders' Exchange, Phila.  
O. W. Ketcham, Builders' Exchange, Phila.

## Real Estate and Mortgages.

Hazlett & Moss, 518 Walnut st., Phila.

## Safes and Vaults.

Stiffel & Freeman, 723 Chestnut st., Phila.

## Safety Treads.

R. R. Hammond & Co., Land Title Bldg., Phila.

## Sewer Pipe and Flue Linings.

C. F. Shellenberger,  
Builders' Exchange, Phila.

## Sash Pulleys.

American Pulley Co.,  
4200 Wissahickon ave., Phila.

## Slate—Roofing and Structural.

Wm. Moore Co.,  
Real Estate Trust Bldg., Phila.

## Stair Builders.

Frank C. Snedaker & Co.,  
9th and Tioga Sts., Phila.

## Structural Engineer

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Heed Building, Phila.  
Harry C. Eisenbise, Penna. Bldg., Phila.

## Tanks (steel).

Lindemann Engineering Co.,  
Drexel Bldg., Phila.

## Terra Cotta (Architectural)

O. W. Ketcham, Builders' Exchange, Phila.

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Real Estate Trust Bldg., Phila.  
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## Wall Boards.

Howard Ketcham,  
3d and Girard ave., Phila.  
Spring Garden Lumber Co., Inc.,  
Broad and Spring Garden Sts., Phila.

## Wall Plaster.

J. B. King & Co., Builders' Exg'e, Phila.

## Water Heaters.

Bartlett & Co., 1938 Market st., Phila.

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National Metal Weather Strip Co.,  
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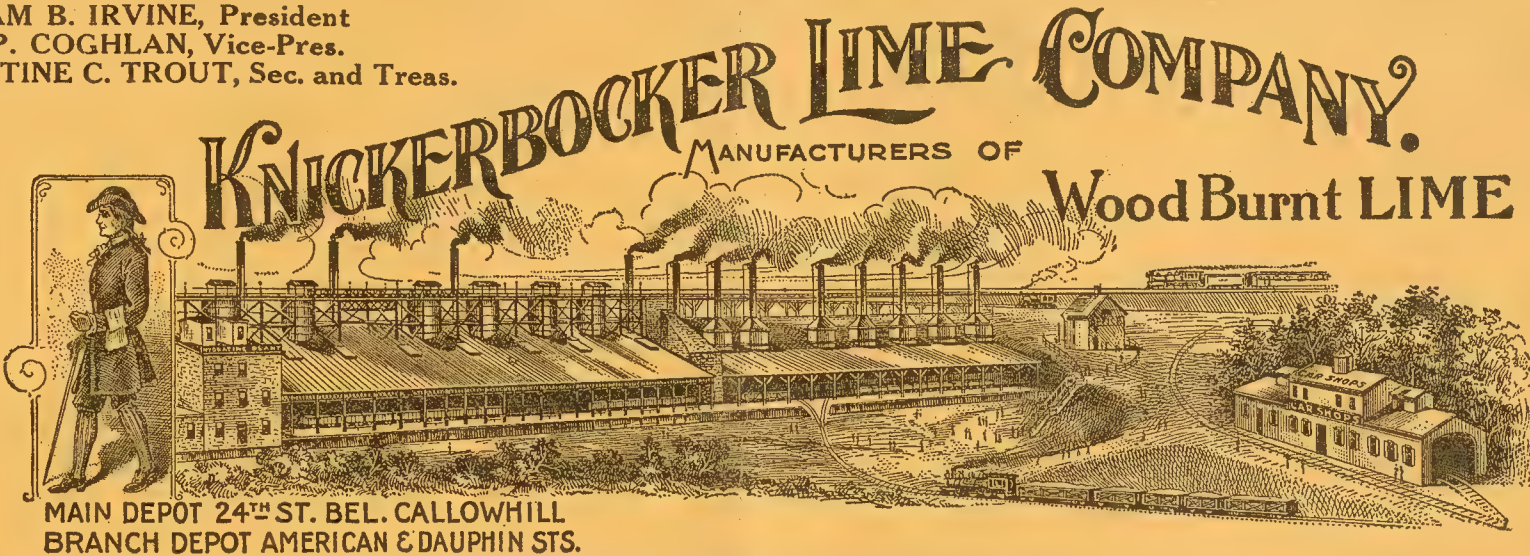
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JOHN H. HOLMES, Manager  
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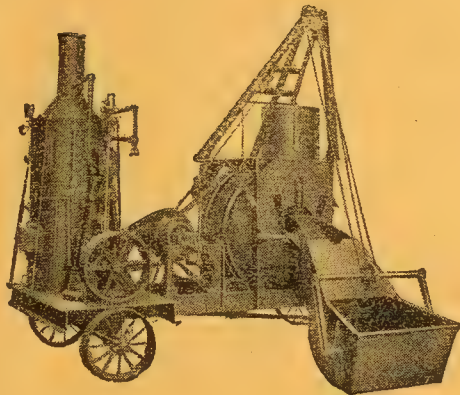
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ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS, CONTRACTORS  
AND THE MATERIAL AND EQUIPMENT TRADES

Vol. XXVII., No. 33.

PHILADELPHIA, WEDNESDAY, AUGUST 14, 1912.

LESS THAN ONE YEAR  
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## Thirteen (13) MILWAUKEE No. 2 Half-Yard Steamers

Like the one shown in this cut, sold to one contractor, the **CLEARY WHITE CONSTRUCTION COMPANY**, 125 La Salle St., Chicago, Ill., who have used every well-known mixer on the market, and after testing them out, for a number of years, thoroughly, on the job, adopted the **MILWAUKEE** as standard, and discarded thirteen old mixers of various makes.

**HENRY T. PEIRCE**

704 Bulletin Building, Philadelphia

**Contractors' and Builders' Machinery**

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Can furnish in any design or color desired.

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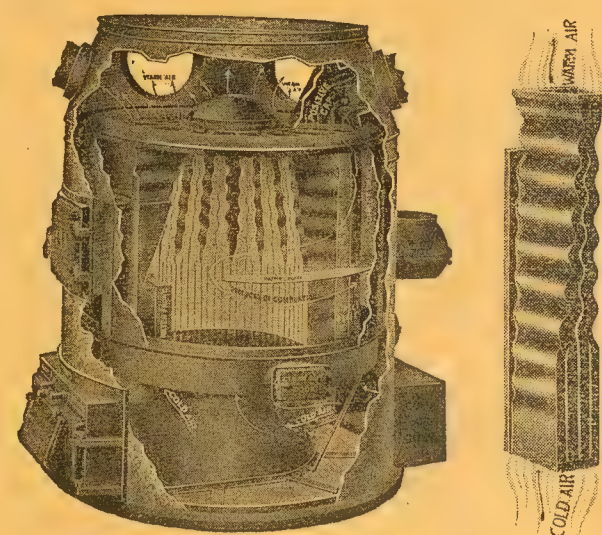
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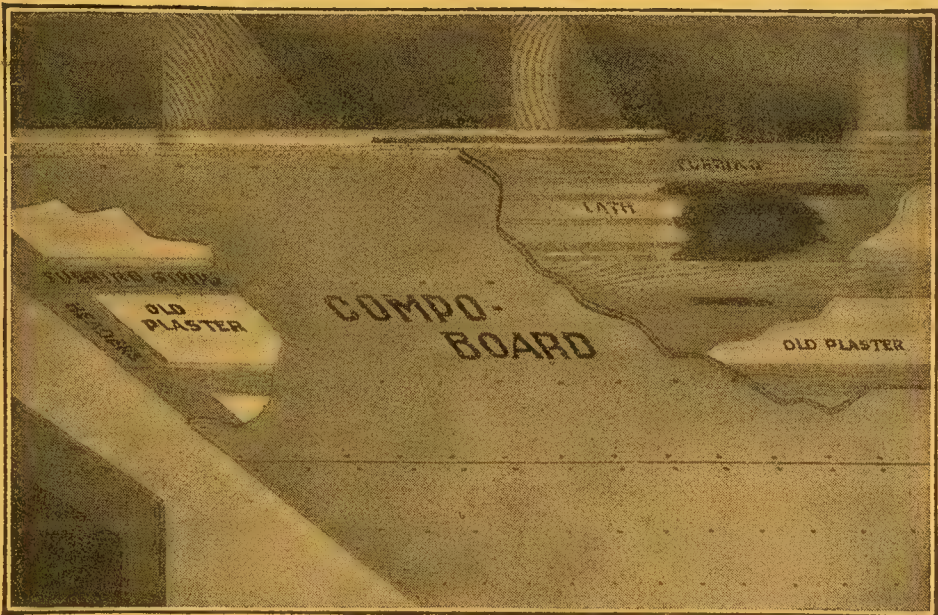
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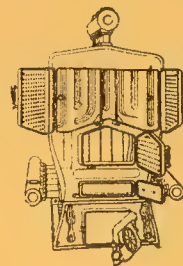
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Vol. XXVII., No. 33.

PHILADELPHIA, WEDNESDAY, AUGUST 14, 1912.

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## Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Manufacturing Plant**, Twenty-second and Westmoreland streets. Architect, Private plans. Owners, Vermont Marble Co., 201 South Thirtieth street. Brick, two and three stories, 60x166 feet, and 150x65 feet, slag roof, electric light. Owners taking bids due August 17. The following are figuring: Metzger & Wells, Heed Building; Irwin & Leighton, 126 North Twelfth street, J. G. Doak & Co., Crozer Building; Wm. Steele & Son, 1600 Arch street; Frank Allison & Co., 1710 Rittenhouse street.

**Residence**, Lansdowne, Pa. \$10,000. Architects, De Armond, Ashmead & Bickley, 619 Chestnut street. Owner, Samuel K. Phillips, 421 Chestnut street. Frame, two and one-half stories, 50x30 feet, slate roof, hot water heating, electric lighting, hardwood floors. Architects taking bids due August 20. The following are figuring: Metzger & Wells, Heed Building; J. Sims Wilson Co., 1125 Brown street; George & Borst, 277 South Eleventh street; Charles C. Pace, 1716 Sansom street; Henry Specht, Willow Grove, Pa.; J. L. Lowden, Lansdowne, Pa.; R. H. Anderson, Lansdowne, Pa.

**Factory Building**, Hillerest, Pa. Architects, Savery, Scheetz & Savery, Stephen Girard Building. Owners, Voltax Paint Co., of Pa, 4245 North Sydenham street. Brick, one story, 45x90 feet, boiler house, 22x15 feet, slag roof. Architects taking bids due August 14. The following are figuring: Alex. Chambley, 243 South Tenth street; A. L. Fretz & Sons, 1222 Chancellor street; A. Whitehead, 1624 Latimer street; W. J. Cowell, 943 Chelton avenue; Carven Construction Co., 5143 Irving street.

**Church**, Narberth, Pa. Architects, E. F. Durang & Sons Co., Inc., Twelfth and Chestnut streets. Owners, St. Margaret's R. C. Church, Narberth, Pa. Stone, one story, 40x130 feet, electric light, steam heat, slate roof.

Architects taking bids due August 16. (Revised.) The following are figuring: M. L. Conneen, 315 South Twentieth street; J. R. Wiggins, Heed Building; Cramp & Co., Denokla Building; J. Myers & Sons, Witherspoon Building; W. J. McShane, 417 South Thirtieth street; J. McShain, 631 North Seventeenth street; Wm. R. Dougherty, 1608 Sansom street; P. J. Hurley, 1233 Cherry street; W. D. Wholey, 1109 Indiana avenue; J. F. Maguire, Fidelity Building.

**Residence**, Ardmore, Pa. \$8,000. Architect, Frank SeeBurger, Pennsylvania Build-

ing. Owner, John M. Keim, 923 Chestnut street. Stone, two and one-half stories, shingle roof, hot water heat, electric light. Plans completed. Architect ready for bids in a few days.

**Residence**, St. Davids, Pa. \$100,000. Architect, D. K. Boyd, Northeast corner Fifteenth and Walnut streets. Owner, Chas. S. Walton, Third and Vine streets. Stone, two and one-half stories, 125x160 feet, tile roof, electric light, hardwood floors, atmospheric heat. Revised plans in progress.

**Theatre, Stores and Residence**, Kensington and Allegheny avenues. Architect, F. Weber, Morris building. Owner, name withheld. Brick, limestone, stone and terra cotta trimmings, two stories, steam heat, electric light, slag roof, hot water heater, elevators. Architects taking bids due August 19. The following are figuring: Stacey Reeves & Sons, 1609 Filbert street; J. W. Emery, 1524 Sansom street.

**Packing House** (alt. and add.), Thirtieth and Race streets. Architect, C. B. Comstock, New York City. Owners, West Philadelphia Stock Yard Co., Thirtieth and Race streets. Steel, brick, concrete, three stories, slag roof, electric light, elevators. Owners taking bids due August 19. The following are figuring: Armstrong & Latta, Land Title Building; Wm. Steele & Sons, 1600 Arch street, Roydhouse-Arey Co., Fidelity Building.

**Sub-Station** (alt. and add.), Chester, Pa. Architect, J. T. Windrim, Twelfth and Chestnut streets. Owners, Beacon Light Co., Chester, Pa. Brick, one story, slag roof. Owners taking bids due August 19. The following are figuring: Pomeroy Construction Co., 1609 Ranstead street; B. Ketcham's Sons, 1029 Brown street, George Hogg, 1634 Sansom street.

**Factory**, Delaware avenue and Westmoreland street. Architects and engineers, Wm. Steele & Sons, 1600 Arch street. Owners, Pearson & Ludasher Lumber Co., on premises. Brick and concrete, one and two stories, 154x120 feet, slag roof, electric light. Builder, Wm. Steele & Sons, 1600 Arch street, taking sub-bids due August 16.

**Dormitories** (add), Cheyney, Pa. Architects, Morris & Erskine, Crozer Building. Owners, Institute for Colored Youth, Cheyney, Pa. Stone, two and one-half stories, 106x40 feet, slate roof, steam heating. Architect taking bids due August 20. The following

are figuring: R. C. Ballinger, 218 North Thirteenth street; F. L. Hoover & Sons, Builders' Exchange; J. B. Flounders, 1329 Arch street; Daniel S. Sullivan, West Chester, Pa.; H. E. Grau Co., 1707 Sansom street; William R. Dougherty, 1608 Sansom street.

**Dining Hall**, Cheyney, Pa. Architects, Morris & Erskine, Crozer Building. Owners, Institute for Colored Youth, Cheyney, Pa. Stone, one story, 88x42 feet, slate roof, steam heating. Architects taking bids due August 20. The following are figuring: R. C. Ballinger, 218 North Thirteenth street; F. L. Hoover & Sons, Builders' Exchange; J. B. Flounders, 1329 Arch street; Daniel S. Sullivan, West Chester, Pa.; H. E. Grau, 1707 Sansom street; William R. Dougherty, 1608 Sansom street.

**Residence**, Huntington Pike, Pa. Architect, Gerald S. Glenn, Bryn Athyn, Pa. Owner, Mr. Seymour Clayton, care of architect. Frame, two and one-half stories, 35x50 feet, tin and slate roof, hot water heat (electric light reserved). Architect taking bids due August 15. F. B. Davis, 35 South Seventeenth street, is figuring.

**Residence**, 1449 East Montgomery avenue. Architect, C. E. Rahn, 410 Walnut street. Owner, Emma H. Weber, 1447 East Montgomery avenue. Brick, two and one-half stories, 62x16 feet, electric light, hot water heat, slag roof. Architect taking bids due August 17. The following are figuring: Stacey Reeves & Sons, 1609 Filbert street.

**Residence** (alt. and add.), 2228 Tioga street. Architect, E. T. Boggs, 130 South Fourth street. Owner, E. K. Rhoades, 222 Tioga street. Brick, limestone trimmings, three stories. Garage, brick, one story, 30x15 feet, electric light, tin, slate and slag roof, hot water heat. Architect taking bids due August 15. F. B. Davis, 35 South Seventeenth street, is figuring.

**Store** (alt. and add.), 1215 Walnut street. Architects, Stuckert & Sloan, Crozer Building. Owner, Standard Sanitary Mfg. Company, 1128 Walnut street. Brick, electric light, steam heat and interior alterations. Architect taking bids due August 16. The following are figuring: P. J. Hurley, 1233 Cherry street; E. E. Hollenbach, Fifteenth and Race streets; George Hogg, 1634 Sansom street; Harry Gill, Jr., 2200 Germantown avenue; F. L. Hoover & Sons, Builders' Exchange; William R. Dougherty, 1608 Sansom street; J. G. Doak & Co., Crozer Building.



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**Stores (alt. and add.),** 232 and 34 Market street. Architects, Sauer & Hahn, 1112 Chestnut street. Owners, L. H. Parke & Co., 232 Market street. Brick, interior alteration and additions. Architects have received bids.

**School (alt. and add.),** Jenkintown, Pa. Architects, Watson & Huckel, 1309 Walnut street. Owners, Immaculate Conception R. C. Church. Brick, three stories, slag roof, electric light, vapor heat. Architects taking bids, due August 14th. The following are figuring: E. E. Hollenbach, Fifteenth and Race street, and A. H. Williams & Sons, 419 Locust street.

**Bank (alt. and add.),** Seventh and Market streets. Architects and engineers, William Steele & Sons, Sixteenth and Arch streets. Owners, Penn National Bank, on premises. Brick and stone, four stories, 44x56 feet. Slate and slag roof, electric light, steam heat, elevators. Builders, William Steele & sons, taking sub-bids, due August 16th.

**Apartment House (alt. and add.),** Forty-fourth and Walnut streets. Architects, Sauer & Hahn, 1112 Chestnut street. Owner, Ira S. Fallin, 33 South Front street. Stone and brick, three stories, slag roof, electric light, vapor heat. Revised plans in progress.

**Foundry Building and Office Building,** Pottstown, Pa. Architect, C. R. Hendricks, Norristown, Pa. Owners, Light Manufacturing and Foundry Company, Pottstown, Pa. Brick and steel, fireproof, one and two stories, 88x236 feet and 32x130 feet. Slag roof, elec-

tric light, steam heat. Owners taking bids. F. L. Hoover & Sons, Builders' Exchange are figuring.

**Residences (2),** Jackson and Newton avenues, Atlantic City, N. J. Architects, Druckenmiller, Stackhouse & Williams, Land Title Building. Owner's name withheld. Plaster, two and one-half stories, 43x80 feet, hot water heat, electric light, slate roof, hardwood floors. Architects taking bids, due August 17th. The following are figuring: F. L. Hoover & Sons, Builders' Exchange; J. B. Flounders, 1329 Arch street; Metzger & Wells, Heed Building, Philadelphia; Hampton Bros., Atlantic City, N. J.; W. S. Higbee, Atlantic City, N. J.; McLean & Baldwin, 1626 Sansom street.

**Residences (2),** 5035 and 37 Pulaski avenue, Germantown, Pa. Architect, A. B. Lacey, 1012 Walnut street. Owner's name withheld. Plaster, three stories, 30x50 feet. Slate roof, electric light. Plans in progress.

**Dormitories (add.),** Cheyney, Pa. Architects, Morris & Erskine, Crozer Building. Owners, Institute for Colored Youth, Cheyney, Pa. Stone, two and one-half stories, 106x40 feet. Slate roof, steam heating. Plans completed. Architects ready for bids.

**Dining Hall,** Cheyney, Pa. Architects, Morris & Erskine, Crozer Building. Owners, Institute for Colored Youth, Cheyney, Pa. Stone, one story, 88x42 feet. Slate roof, steam heating. Plans completed. Architects ready for bids.

**School,** Newark, N. J., \$200,000. Architect, E. F. Guilbert, Newark, N. J. Owners, Board of Education, Newark, N. J. Brick, terra cotta and steel, fireproof, three stories, slag and tile roof, direct steam heat, electric lighting. Owners taking bids, due August 22nd. Abel Bottoms & Sons Co., 41 South Fifteenth street, are figuring.

**Club House,** Princeton, N. J., \$50,000. Architects, Mellor & Meigs, Lafayette Building. Owners, the Charter Club, Princeton, N. J. Stone, two and one-half stories, 120x50 feet. Slate roof, vapor heating, hardwood floors, electric lighting. Architects taking bids, due August 21st. The following are figuring: Metzger & Wells, Heed Building; A. H. Williams & Sons, 419 Locust street; J. S. Cornell & Son, Land Title Building; Irwin & Leighton, Twelfth and Cherry streets; H. L. Brown, 1714 Sansom street; Hugh Getty, 359 West Twenty-sixth street, New York City, and George W. Leithgow & Son, 41 King street, New York City.

**Post Office,** North Tonawanda, N. Y. Architect, J. A. Wetmore, Washington, D. C. Owners, United States Government, Washington, D. C. Brick and stone, two stories and basement, 53x103 feet. Slate roof, steam heat, electric light. Owners taking bids, due August 30th. The following are figuring: J. W. Emery, 1524 Sansom street, and J. E. & A. L. Pennock, Land Title Building.

**Residences (66),** Marcus Hook, Pa. Architects, Ballinger & Perrot, 1211 Arch street. Owners, American Viscose Company, Marcus Hook, Pa. Brick, two and one-half stories, 24x33 feet. Slate roof, electric light, hot air heat. Architects taking bids, due August 15th. The following are figuring: H. Brocklehurst, 512 West Norrist street; F. C. Michaelson, Land Title Building; B. Ketcham's Sons, 1029 Brown street; H. I. Taylor,

Chester, Pa.; Nolan Bros., Chester, Pa., and William Provost, Chester, Pa.

**Residence,** Chestnut Hill, \$50,000. Architects, Price & McLanahan, Sixteenth and Walnut streets. Owners, J. L. Woolston, 110 Chestnut street. Stone, two and one-half stories, electric light, hot water heat, tile roof, six bath rooms (hardwood floors reserved). Revised plans in progress. Architects will take bids in two weeks.

**Store and Apartment House (alt. and add.),** 1222 and 1224 Walnut street. Architects, Stearns & Castor, Stephen Girard Building. Owner, Louis Stecher, 420 Market street. Brick, eight stories. Plans in progress.

**Generator and Turbine House,** Tacony, Pa. Architects, Sax & Abbott, Hale Building. Owners, H. Disston & Sons, Inc., Tacony, Pa. Brick, one story, 25x93 feet. Slag roof, electric light. Owners taking bids, due August 14th. F. W. Van Loon, Denckla Building, is figuring.

**School (alt. and add.),** High Bridge, N. J. Architects, George W. Knight Company, Newark, N. J. Owners, Board of Education, High Bridge, N. J. Brick and stone, two stories and basement, slag roof, electric light, steam heat. Architects taking bids, due August 10th. A. Bottom's Sons & Co., 41 South Fifteenth street, are figuring.

**Foundry, Power House and Testing Station,** Cornwall, Pa. Architect, Charles A. Blatchley, Drexel Building. Owners, Schutte & Koerting Co., Twelfth and Thompson streets. Brick, one story, slag roof. Owner taking bids, due August 14th. George & Borst, 277 South Eleventh street, are figuring.

**Hotel (alt. and add.),** Fifteenth and Chestnut streets. Architect, R. C. Loos, 1017 Chestnut street. Owners, Colonnade Hotel, on premises. Limestone and marble, fireproof, electric light, steam heat. Architect has received bids.

**Stores (alt. and add.) (3),** 6-8-10 North Fifteenth street. Architects, Watson & Huckel, 1211 Walnut street. Owner's name withheld. Brick, three stories, slag roof. Architects taking bids, due August 13th. Smith-Hardican Company, 1609 Cherry street, are figuring.

**Morgue and Laboratory,** Second and Luzerne streets. Architect, Phil Johnson, Land Title Building. Owners, City of Philadelphia, Department of Public Health and Charities, care of Dr. J. S. Neff, City Hall. Brick, two stories, slate roof, electric light. Owners taking bids, due August 16th, 12 M.

**School,** Chester, Pa. Architects, Seymour & Paul A. Davis, 1713 Sansom street. Owners, Board of Education, Chester, Pa. Brick, three stories, 160x80 feet. Slate roof, steam heat, two toilet rooms. Architects taking revised bids, due August 15th. The following are figuring: William R. Dougherty, 1608 Sansom street; Mitchell Bros., 2121 Race street, and H. E. Baton, Tenth and Sansom streets, of Philadelphia, and the following of Chester, Pa.: J. Irwin Taylor, H. Lewis Morris and Ames Sheaf.

**School,** Crum Lynne, Pa. Architects, Seymour & Paul A. Davis, 1715 Sansom street. Owners, Board of Education, Crum Lynne, Pa. Brick, two stories, 66x34 feet. Slate roof, hot air heat, electric light. Architects have received revised bids.



**Church, Bethlehem, Pa.** Architects, Chas. Bolton & Sons, Witherspoon Building. Owners, First Presbyterian Church, on premises. Brick and terra cotta, one story, 70x75 feet, hot water heat, slate roof, electric light. Plans in progress.

**Store Building, Tacony, Pa.** Architect, private plans. Owner, Herman Bamford, Tacony, Pa. Brick, one story, 16x60 feet. Slag roof. Owner taking bids. F. W. Van Loon, Denckla Building, only bidder.

**Filter Bed, Spring City, Pa.** Architect, P. H. Johnson, Land Title Building. Owners, Eastern Pennsylvania State Institute for the Feeble Minded, on premises. Concrete and brick. Architect taking bids, due August 21st. The following are figuring: J. R. Wiggins Co., Heed Building; Sax & Abbott, Hale Building; Vulcanite Paving Co., Land Title Building.

**Nurses' Home, Broad and Wingohocking streets.** Architect, P. H. Johnson, Land Title Building. Owners, St. Luke's Hospital, on premises. Brick, limestone trimmings, two stories, 29x73 feet. Slate, tile, slag roof. Architect taking bids, due August 14th. The following are figuring: Doyle & Co., 1519 Sansom street; Sax & Abbott, Hale Building; J. P. Thompson, 1432 South Penn Square.

**Sanitarium, Hamburg, Pa.** Architects, Welsh, Strdevant & Poggis, Wilkes-Barre, Pa. Owners, State of Pennsylvania, care of Dr. Samuel G. Dixon, Nineteenth and Race streets, Philadelphia. Brick, hollow tile and plaster, two and three stories. Owners taking bids, due August 19th, noon. The following are figuring: P. J. Hurley, 1253 Cherry street; Metzger & Wells, Heed Building; Edward Fay & Son, 1519 Ransstead street; Wayne Contracting Company, 1218 Filbert street; J. E. & A. L. Pennock, Land Title Building; John W. Emery, 1524 Sansom street; Doak & Co., Crozer Building; Doyle & Co., 1519 Sansom street; W. E. Dotts & Co., 148 North Second street; M. P. Wells, Witherspoon Building; J. B. Flounders, 1329 Arch street; Thomas Reilly, 1616 Thompson street; Beard Construction Company, Colonial Trust Building, Reading, Pa.

**High School, Mt. Vernon, N. Y., \$250,000.**

Architects, Goldwin, Starrett & Van Vleck & O. W. Rice (associated), Everett Building, New York City. Brick, stone, terra cotta and steel, fireproof, three stories, 316x80 feet. Slag and slate roof. Owners taking revised bids, due September 2nd. Abel Bottoms & Sons Co., 41 South Fifteenth street, are figuring.

**High School, Salem, N. J.** Architects, Guilbert & Betelle, 62 West Forty-fifth street, New York City. Owners, Board of Education, Salem, N. J. Brick, stone and terra cotta (concrete floors), two stories, 126x61 feet, slate roof. Owners taking bids, due August 22nd. Abel Bottoms & Sons Co., 41 South Fifteenth street, and Metzger & Wells, Heed Building, are figuring.

**Residence, Lansdowne, Pa.** Architect, L. B. Rothschild, Bulletin Building. Owner, H. C. Berry, care of architect. Stone and frame, two and one-half stories, 36x26 feet. Slate roof, hot water heating, hardwood floors. Plans in progress. Architect will take bids in about one week.

**Residence, Webster, Mass.** Architects, Schermerhorn & Phillips, 420 Walnut street. Owner, Clarence M. Nash, care of First National Bank, Webster, Mass. Hollow tile, plaster and tapestry bricks, two and one-half stories, slate roof, hot water heating, electric lighting, hardwood floors. Plans in progress.

**Residence and Garage, Overbrook, Pa.** Architects, Magaziner & Potter, 135 South Fifth street. Owner, E. A. Bookmyer, 424 Walnut street. Stone and half timber, two and one-half stories, 76x100 feet. Tile roof, electric light, steam heat, hardwood floors. Plans in progress.

**Store and Apartments, St. Charles place and Delaware avenue, Atlantic City, N. J.** Architects, Magaziner & Potter, 135 South Fifth street. Owners, Seltzer Brothers, Atlantic City, N. J. Brick, three stories, slag roof, electric light, hot water heat. Plans in progress. Architects will take bids in about three weeks.

**Swimming Pool, Germantown, Philadelphia.** Architects, Cleveland & Godfrey, Boston,

Mass. Owners, Germantown Y. M. C. A., 5849 Germantown avenue. Brick and steel, one story, 98x37 feet. Slag roof, electric light. Architects taking bids, due August 21st. F. L. Hoover & Sons, 18 South Seventh street, and H. H. Burrell, 1204 Chancellor street, are figuring.

**Entrance Gates, Girard avenue and Leidy avenue.** Architect, E. V. Seeler, Real Estate Trust Building. Owners, Grace Church, on premises. Brick and iron. F. L. Hoover & Sons, 18 South Seventh street, are taking sub-bids.

**Twin Residences, 5035-37 Pulaski avenue.** Architect, A. B. Lacey, 1012 Walnut street. Owner's name withheld. Brick, three stories, 18x58 feet, hot air heat, slag and tin roof. Architect taking bids, due August 16th. The following are figuring: F. E. Wallace, 1210 Sansom street; J. H. Maguire, Fidelity Building; W. J. Cowell, 943 East Chelton avenue; E. W. Clifford, 105 Queen Lane, Germantown; W. John Stevens Co., Wyncote, Pa.

**Residence, Lancaster, Pa., \$12,000.** Architect, William C. Prichett, 418 Walnut street. Owners, Franklin and Marshall College, Lancaster, Pa. Brick, two and one-half stories, 35x54 feet, tile roof, warm air heating, electric lighting, hardwood floors. Architect taking bids, due August 15th. The following are figuring: S. H. Bally, George Burger, Herman Wohlsen, H. L. Wiant, all of Lancaster, Pa.

**Morgue and Laboratory, Second and Luzerne streets.** Architect, Philip Johnson, Land Title Building. Owners, City of Philadelphia, Department of Public Health and Charities, care of Dr. J. S. Neff, City Hall. Brick, two stories, slate roof, electric light. Owners taking bids, due August 16th, 12 M. The following are figuring: Sax & Abbot, Hale Building; Doyle & Co., 1519 Sansom street; W. E. Dotts, 148 North Second street; J. G. Doak & Co., Crozer Building; F. Roe Searing, 617 Perry Building; H. H. Wehmeyer, 1004 West Lehigh avenue; P. J. Hurley, 1233 Cherry street; J. W. Emery 1524 Sansom street.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Theatre, Stores and Office Building, Fifty-second and Market streets.** Architect, J. I. Bright, Seventeenth and Chestnut streets. Owners, West End Realty Company, Bulletin Building. Brick, terra cotta, fireproof, slag roof, steam heat, electric light, elevators. Contract awarded to W. E. Dotts & Co., 148 North Second street.

**Store (alt.), Narberth, Pa., \$4,000.** Architects, Dothard & Dothard, 243 South Fourth streets. Owners, Coles Estate, Narberth, Pa. Lessees, Robinson & Crawford, 20 South Front street. Brick, two stories. Contract awarded to Alex. Chambley, 243 South Tenth street.

**Farm Building, St. Davids, Pa.** Architect, R. C. Sturges, Boston, Mass. Owner, P. L. Spalding, care of Bell Telephone Company, Philadelphia. Stone and frame, one and three stories, shingle roof, electric light, steam heat. Work consists of chicken house, stables and barns. Contract awarded to J. S. Cornell & Sons, Land Title Building.

**Waiting Room and Tunnel, Falls of Schuylkill, Pa.** Architect, W. Hunter, Twelfth and Market streets. Owners, Philadelphia and Reading Railroad Company, Reading Terminal. Concrete, brick, stone and steel, electric light. Contract awarded to E. L. Seeds, 6314 Wissahickon avenue.

**Garage, 6129 Greene street.** Architects, Ballinger & Perrot, 1211 Arch street. Owner, W. J. Montgomery, on premises. Stone and brick, one story, enamel brick, slate roof, electric light. Contract awarded to W. C. Wright, 22 Harvey street.

**Parish House, Beulah and Reed streets.** Architects, Anderson & Haupt, Drexel Building. Owner, St. Timothy's P. E. Church, Rev. William Roberts, 1420 South Fifteenth street. Brick, three stories, 40x100 feet. Slag and slate roofs, steam heat, two bath rooms, two toilet rooms. Contract awarded to J. S. Cornell & Sons, Land Title Building.

**Post Office, Newark, Ohio, \$170,000.** Architect, Oscar Wenderoth, Treasury Depart-

ment, Washington, D. C. Owners, United States Government, Washington, D. C. Marble and steel, fireproof, two stories. Contract awarded to D. T. McCarthy, 411 Walnut street.

**Post Office (alt. and add.), Bristol, R. I., \$18,000.** Architect, Oscar Wenderoth, Treasury Department, Washington, D. C. Owners, United States Government, Treasury Department. Brick and stone, one story. Contract awarded to D. T. McCarthy, 411 Walnut street.

**Alt. and add. to Residence for Stores, 1327-29-31 Point Breeze avenue.** Architect, J. Naschold, 717 Walnut street. Owner, David Welsh, 1331 Point Breede avenue. Brick, two stories, electric light. Contract awarded to Frank & Kaiser, 1521 South Sixth street.

**Boiler House, Allegheny avenue and Trenton avenue, \$4,400.** Architect, C. W. Denny, 1524 Chestnut street. Owners, Brehm-Stehle, on premises. Brick, one story, 48x40 feet, tile roof. Contract awarded to W. E. Ditts & Co., 148 North Second street.

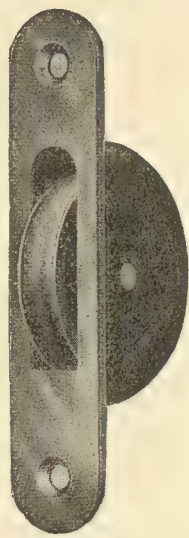
**Factory, Eleventh street, above Cambria street.** Architects, Magaziner & Potter, 37 South Fifth street. Owners, Penn Rivet Co., care of architects. Brick, one story, 95x70 feet, electric light, slag roof. Contract awarded to Lam Building Company, 1001 Wood street.

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Architect, J. Knox Taylor, Washington, D. C. Owners, United States Government, Treasury Department, Washington, D. C. Brick and stone, fireproof floors, two stories, slate roof, steam heat, electric light. Contract awarded to J. W. Emery, 1524 Sansom street.

**Cottage**, Cape May, N. J. Architects, Zant-  
zinger, Borie & Medary, Fifteenth and Wal-  
nut streets. Owner, W. J. Sewell, Jr., St.  
Martins, Pa. Frame, two and one-half stories,  
35x53 feet; wing, 17x30 feet. Asbestos shingle  
roof, electric light. Contract awarded to  
W. L. Cummings & Son, West Cape May,  
N. J.

**Rectory**, Camden, N. J., \$5,000. Architects,

**R. R. HAMMOND & CO.,** - - Land Title Building, Phila., Pa.

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**Folsom & Lackey**, 1433 Chestnut street. Own-  
ers, Church of Our Saviour, Camden, N. J. Stone  
and plaster, three stories, 25x40 feet, electric  
light, slate roof, one bath room, heat reserved.  
Contract awarded to Boyer & Lewis, Camden, N. J.

**Loft Building** (alt. and add.), 721 to 29  
Arch street. Architects, Peuckert & Wun-  
der, 310 Chestnut street. Owners, Morris &  
Max Apt, 721 Arch street. Brick, terra cotta  
and steel, six and seven stories, 80x140 feet.  
Slag roof, steam heating, electric lighting.  
Contract awarded to Roydhouse-Arey Com-  
pany, Fidelity Building.

**Cottage**, White Haven, Pa. Architects,  
Stewardson & Page, 320 Walnut street. Own-  
ers, White Haven Sanitarium, White Haven,  
Pa. Frame and plaster, three stories, 38x70  
feet, slate roof, electric light. Contract  
awarded to Robert A. Lentz, Freeland, Pa.

**Library**, Twentieth and Shunk streets, \$35,-  
000. Architect, J. T. Windrim, Twelfth and  
Chestnut streets. Owners, Free Library of  
Philadelphia, Thirteenth and Locust streets.  
Brick and granite, two stories, 33x89 feet.  
Slate roof (heat and light reserved). Con-  
tract awarded to Pomeroy Construction Com-  
pany, 1609 Ranstead street.

**Residence**, Sixty-fourth and Lancaster ave-  
nue, Overbrook, Pa., \$15,000. Architects,  
Shore & Dodge, 608 Chestnut street. Own-  
er, Mrs. James P. Martin, Overbrook, Pa.  
Brick and marble, two stories, 51x53 feet.  
Shingle roof, electric light. Contract award-  
ed to A. L. Fretz & Son, 1222 Chancellor  
street.

**Residence**, Fifty-fourth and Wynnefield  
avenue. \$14,000. Architect, E. A. Wilson,  
1208 Chestnut street. Owner, Henry H. Hall,  
care of Hall Bros. & Wood, Fifty-fourth and  
Lancaster avenue. Stone and plaster, three  
stories, 49x60 feet, electric light, hot water  
heat, hardwood floors. Contract awarded to  
J. F. Wolff, 3832 Folsom street.

**Residence** (alt. and add.), 6024 Wayne ave-  
nue. \$8,000. Architect, Mantle Fielding, 518  
Walnut street. Owner, W. J. Faux, The Bel-  
gravia, Philadelphia. Tin roof, oak floors  
(heating and electric lighting reserved). Con-  
tract awarded to W. J. Gruhler Company,  
219 East High street.

**Buildings** (5), Honesdale, Pa. Architects,  
Day & Zimmerman, 608 Chestnut street.  
Owner, Gurney Electric Elevator Co., New  
York City. Brick and frame mill, one story;  
foundry, one story, 80x160 feet; storage, one  
story, 25x75 feet, slag roof, electric light,  
steam heat. Contract awarded to F. A. Hav-  
ens, 945 North Nineteenth street.

**Residence**, Narberth, Pa., \$3,000. Archi-  
tects, McIlvain & Roberts, Land Title Build-  
ing. Owner, H. P. Moore, Narberth, Pa.  
Stone, two and one-half stories, 50x40 feet,  
tile roof, oak floors, hot water heating, elec-  
tric lighting. Contract awarded to W. D.  
Smedley, Narberth, Pa.

**Residence**, Mt. Airy, Pa. Architects, Har-  
ris & Richards, Drexel Building. Owner, Wm.  
H. Hensel, 7206 Boyer street. Stone, lime-  
stone trimmings, three stories, 32x76 feet,  
hardwood floors, hot water heat, electric light,  
tile roof, four bath rooms. Contract  
awarded to F. Elvidge & Sons, 5522 German-  
town avenue.

**Department Store**, Tenth and Market  
streets (alts.), \$12,000. Architect, A. B.  
Lacey, 1012 Walnut street. Owners, Blum  
Brothers, on premises. Consists of new bulk  
windows and interior alterations. Contract  
awarded to Doak & Co., Crozer Building.

**Freight Station**, Gettysburg, Pa. Engineer,  
William Hunter, Reading Terminal. Owners,  
Philadelphia and Reading Railway Company.  
Brick, one story, slag and slate roof. Con-  
tract awarded to Beard Construction Com-  
pany, Colonial Trust Building, Reading, Pa.

## Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

**Young Friends' Association**, Fifteenth and  
Cherry streets (O). R. C. Ballinger (C), 218  
North Thirteenth street. Cost, \$8,100. Build-  
ing, brick, eight stories, 92x80 feet, Fifteenth  
and Cherry streets.

**Robert Killough** (O), Wayne avenue and  
Duval street. Cost, \$35,600. Eight dwell-  
ings, brick, two stories, 24x36 feet, 124 to 138  
Mt. Airy avenue.

**White & Bros.** (O), Headley and Balfour  
streets. Cost, \$2,500. Office, brick, one story,  
40x60 feet, Headley and Balfour streets.

**R. R. Heath** (O), Eighty-seventh street and  
Ashmead avenue. Cost, \$2,400. Two dwell-  
ings, brick, two stories, 14x36 feet, 8600-02  
Ashwood avenue.

**Jacob S. Disston** (O), Chestnut avenue. J.  
M. Castle (C), 8820 Germantown avenue.  
Cost, \$12,000. Dwelling, three stories, 27x44  
feet, stone, Chestnut avenue and Owens Lane.

**J. Lupowitz** (O), 502 Dickinson street. I.  
Farbstein (C), 504 Dickinson street. Cost,

\$2,650. One dwelling, brick, three stories,  
15x7 feet, 1002 South Fifth street.

**Geo. Woodward** (O), St. Martins, Pa.  
Pringle Borthwick (C), 8018 Germantown  
avenue. Cost, \$53,000. Six dwellings, brick,  
three stories, 29x43 feet. Cost, \$53,000. Six  
dwellings, Nippon and Lincoln Drive.

**W. E. Strock** (O), 7336 Second street Pike.  
Cost, \$3,000. Two dwellings, brick, two stor-  
ies, 16x37 feet, Arthur and D streets.

**H. T. McClintock** (O), 710 South Fifty-first  
street. H. W. Baxter (C), 5212 Walton ave-  
nue. Cost, \$61,600. Twenty-eight dwellings,  
brick, two stories, 15x40 feet. Cost, \$6,600.  
Three dwellings. Cost, \$61,000. Twenty-eight  
dwellings. Cost, \$6,600. Three dwellings.  
Cost, \$5,300. Two stores and dwellings.  
Cost, \$5,300. Two stores and dwellings.

**Mrs. Cox** (O), Hansell and Cottage streets.  
E. T. Bender (C), 6014 Torresdale avenue.  
Cost, \$700. One stable, brick, two stories,  
16x24 feet, Hansell and Cottage streets.

**E. A. & B. L. Carrol** (O), Sixtieth and



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Girard avenue. Cost, \$5,000. One dwelling, stone, three stories, 25x39 feet, Westview avenue and Lincoln Drive.

Jos. Gsell (O), 339 Richmond street. Cost, \$3,000. Dwelling, brick, two stories, 16x54 feet, 4773 North Twelfth street.

Presbyterian Home (O), Bala, Pa. J. E. & A. L. Pennock (C), Land Title Building. Cost, \$80,000. Home, brick and stone, four stories, 35x69 feet, and 60x60 feet, Bala, Pa. Cost, \$1,200. Home, Bala, Pa.

Germantown Tool Works (O), Germantown, Philadelphia. F. W. VanLoon (C), Denckla Building. Cost, \$30,000. Factory, brick, one story, 280x100 feet, Second and Ashdale streets.

C. M. Smartley (O), 427 Hermitage avenue. Cost, \$1,700. One dwelling, 14x44 feet, two stories, brick, 437 Hermitage avenue.

H. S. Anders (O), Fifty-first and Locust streets. Alex. Chambley (C), 243 South Tenth street. Cost, \$60,000. Apartment house, brick, four stories, 40x72 feet, Fifty-first and Locust streets.

Thomas Reilly (O), 1616 Thompson street.

Cost, \$15,000. Stable and garage, brick, three stories, 117x55 feet, Seventh and Sedgely avenue.

J. C. Snyder (O), Tacony, Pa. Lewis Dietrick (C), 3016 Comly street. Cost, \$2,400. One dwelling, brick, three stories, 16x39 feet, Gagerman and Princeton avenue.

H. Keachline (O), 1932 Arch street. J. W. Emery (C), 1524 Sansom street. Cost, \$37,000. Factory, brick, four stories, 40x142 feet, 1932 Arch street.

City Improvement Realty Co. (O), 5600 Walnut street. Cost, \$18,000. Four dwellings, brick, three stories, 16x34 feet. Cost, \$80,000. Twenty dwellings, 6121 to 27 Christian street.

Geo. Boldt (O), Bellevue Stratford Hotel. Roydhouse-Arey Co (C), Fidelity Building. Cost, \$20,000. Garage, brick, two stories, 40x150 feet, 1401 to 7 Locust street.

Edwin Stoll (O), Front and Fichers avenue. Cost, \$10,850. Six dwellings, brick, two stories, 14x36 feet, Lowden and Palethorpe streets.

**Alterations and Additions**

E. Mohr (O), 1102 Real Estate Trust Bldg. J. R. Jackson (C), Perry Building. Cost, \$5,000. Garage, Fifty-fifth and Chestnut Sts.

S. A. Gallagher (O), 3913 Spruce street. George & Borst (C), 277 South Eleventh street. Cost, \$5,600. Apartment house, 3913 Spruce street.

V. J. Margaret (O), 3223 E street. Cost, \$1,800. Dwelling and store, 3251 North Front street.

M. Piard (O), Thirty-eighth and Baring streets. J. H. Maguire (C), Wayne, Pa. Cost, \$1,325. Apartment house, Warren and Baring streets.

Dr. B. R. Marsden (O), 8811 Germantown avenue. T. M. Seeds, Jr., 1207 Real Estate Trust Building. Cost, \$1,000. Residence.

Jos Cohen (O), Thirteenth and Ellsworth streets. A. Shestack (C), 528 Reed street. Cost, \$1,100. Store and dwelling, 1434 South street.

P. Maguire (O), 5336 Vine street. Carvan Construction Co. (C), 5143 Irving street. Cost, \$1,300. Dwelling.

Chas. F. Bonsor (O), 18 South Front street. A. Bottoms & Sons Co. (C), 41 South Fifteenth street. Cost, \$10,000. Apartments, 1100 South Forty-sixth street.

Chas. Grafley (O), Twentieth and Cherry streets. George & Borst (C), 277 South Eleventh street. Cost, \$8,000. Dwelling, Twentieth and Cherry streets.

Horace Fritz (O), 713 Walnut street. R. B. Clarke (C), 1917 Callowhill street. Cost, \$2,500. Barn, Red Lion Road and P. R. R.

Wendell and Smith (O), Overbrook, Pa.

M. W. Young (C), Overbrook, Pa. Cost, \$1,700. Garage, 6400 Woodbine avenue.

Ed. Lindell (O), 5931 Hegerman street. J. Storm (C), 5913 Hegerman street. Cost, \$1,500. Shop, Comley and Hegerman street.

Geo. F. Sole (O), Franklin and Dyer street. W. F. Stevens (C), 3306 Comley street. Cost, \$2,000. Wagon House, Deveraux and Walker streets.

Mrs. C. W. Scherr (O), 2106 North Seventeenth street. Geo. Sturtz (C), Twenty-third and Ridge avenue. Cost, \$2,000. Dwelling, 2106 North Seventeenth street.

Morris Realty Co. (O), 132 South Thirteenth street. F. Pettit (C), 809 Master street. Cost, \$2,000. Apartments, Schuyler and Hansberry streets.

Jacob Rath (O), 33 East Chelton avenue. M. S. Oberholtzer (C), 5524 Pulaski avenue. Cost, \$1,000. Residence, 19 East Chelton avenue.

Fred Pfund (O), 3945 Germantown avenue. W. S. Walker (C), 3945 Germantown avenue. Cost, \$3,800. Sausage kitchen, 3953 Germantown avenue.

C. Weinstein (O), 2006 South Fourth street. Louis B. Goldberg (C), 2438 South Seventh street. Cost, \$800. Store and dwelling, 1736 South Seventh street.

Crane & Co. (O), 247 Master street. F. A. Stoll (C), 1432 Germantown avenue. Cost, \$1,256. Storage, 247 Master street.

S. Yitomersky (O), 1911 South Sixth street. N. Litman (C), 2332 South Tenth street. Cost, \$2,800. Store and dwelling, 1903-95 South Fifth street.

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C. F. Eggleston (O), 1218 Chestnut street. A. M. Dadooman (C), 52 North Sixtieth street. Cost, \$1,500. Store and dwelling, 49-51 North Sixtieth street.

General Accident Insurance Co. (O), Fourth and Walnut streets. J. Myers & Sons Co. (C), Witherspoon Building. Cost, \$2,000. Offices.

L. Scarpello (O), 532 East Rittenhouse street. Thos. Brown (C), Germantown, Philadelphia. Cost, \$500. Dwelling.

Geo. Hayden (O), 1521 North Thirty-third street. A. R. Raff (C), 1636 Thompson street. Cost, \$800. Dwelling.

Pennsylvania Railroad Co. (O), Broad Street Station. W. H. Schultz (C), 3340 North Carlisle street. Cost, \$1,400. Office, Park avenue and Clearfield street.

Berg Bros. (O), 1015 Market street. A. R. Raff (C), 1635 Thompson street. Cost, \$7,000. Store, 1015 Market street.



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Montgomery Bros. (O), 45 South Second street. Wm. Meyers Co. (C), 216 Quarry street. Cost, \$2,300. Factory, Penrose avenue and Penrose Ferry road.

United Gas Improvement Co. (O), Broad and Arch streets. Cost, \$3,000. Boiler house, Tioga and Carbon streets. Cost, \$2,500. Generator house, Tioga and Carbon streets. Cost, \$35,000. Boiler house, Passyunk avenue and Schuylkill avenue.

F. A. Wintz (O), 1511 North Thirty-third street. F. I. Wintz (C), 1618 North Twenty-seventh street. Cost, \$2,000. Dwelling, 2700 Oxford street.

A. Korbuiski (O), West Side of Lawrence above Shackamaxon streets. F. J. Blatz (C), 4923 Lawrence street. Cost, \$1,500. Dwelling.

City of Philadelphia (O). Sax & Abbott (C), Hale Building. Cost, \$5,840. Hospital, Thirty-fourth and Vintage avenue.

Philadelphia Co. Fair Association (O), Byberry, Pa. W. D. Bulick (C), Somerton, Pa. Cost, \$1,725. Building. Cost, \$1,150. Building.

Holland Laundry (O), Seventeenth and Cayuga streets. J. Mole & Sons (C), 1718 Cayuga street. Cost, \$2,500. Laundry.

W. F. Deakyne (O), 1001 Chestnut street. H. Dumphy (C), 2405 Nassau street. Cost, \$1,500. Garage, Broad and Bainbridge streets.

St. Vincent's Home (O), Seventieth and Woodland avenue. Thompson Bros. (C), 123 North Fifth street. Cost, \$11,000. Heating plant.

W. J. Montgomery (O), 6129 Greene street. W. C. Wright (C), 22 Harvey street. Cost, \$2,565. Garage, 6129 Green street.

**BROAD ST. STATION AS CONVENTION HALL****Architect D. Knickerbacker Boyd Suggests Conversion of Big Shed and Erection of New Depot at Seventeenth St.**

The conversion of the train shed at Broad Street Station into a convention hall through the co-operation of the city with the Pennsylvania Railroad in its plans for reconstructing and enlarging the present terminal facilities, has been suggested by D. Knickerbacker Boyd, the architect, as a practical method of solving the convention hall site difficulty.

Mr. Boyd, who more than a year ago suggested the feasibility of placing the convention hall over the Pennsylvania Railroad tracks in the block bounded by Twenty-first, Twenty-second, Market and Arch streets, believes that the city could acquire the train shed without any cash outlay by turning over to the railroad all of Filbert and Cuthbert streets extending between Seventeenth street and the Schuylkill River, and certain other streets of value to the company.

To carry out this plan, according to the architect, it would be necessary for the railroad to abandon the present station property and rebuild a new station on the block bounded by Seventeenth, Eighteenth, Market and Arch streets. He points out that this would not work any hardship to the company, as it will be necessary for the station to be further west anyhow, if the trains are to be looped into the projected Broad street subway.

Mr. Boyd's plan was considered so new and startling by city and railroad officials that none cared to express an opinion until they had examined it carefully. It was the general belief, however, that even should the city look favorably on the idea, the Pennsylvania Railroad would never consent. It was pointed out that the company had already about completed its plans for the improvement of Broad Street Station, and all that remained was the official endorsement of the directors. Just what these plans are, however, have not been revealed.

George S. Webster, Chief of the Bureau of Surveys, and who has supervision of the city's Bureau of Comprehensive Plans, said that Mr. Boyd's proposition involved so many millions of dollars and was so different from anything previously presented that he would have to study it carefully before expressing any opinion. Mr. Webster believed, however, that Mr. Boyd's suggestion merited the careful consideration of both the city and the railroad.

The advantages that would accrue to the city in transforming the present train shed into a convention hall would be both utilitarian and artistic, according to Mr. Boyd. In the first place, he says, the Market street and Parkway (Filbert street) fronts of the proposed municipal building would have to

be rebuilt and treated architecturally to conform with the fronts facing City Hall on the east and the new station on the west.

What is now an eyesore to most people, he says, could by effective treatment be made one of the finest architectural works in America. The big vaulted roof looming over the low walled buildings, he says, would produce a massiveness of form and perspective such as few architectural works offer. This improvement to the Market street side, he points out, would mean the wiping out of the "unsightly and space-consuming freight sheds" against which the Market street business men have been protesting.

Mr. Boyd's plan provides for the rebuilding of the present portion of the station between Fifteenth street and the train shed into a facade which would contain the vestibules, lobbies, committee rooms and other accommodations essential to an up-to-date convention hall. This would give the building the necessary architectural treatment to make it an imposing edifice to face the City Hall and the entrance to the Parkway.

**Plaza at Entrance.**

As to the proper disposition of the space that would be left between the entrance to the convention hall on Fifteenth street and the west side of Broad street, Mr. Boyd would turn it into a broad plaza. Regarding the treatment of this plaza, Mr. Boyd said:

"This plaza could be reached by crossing the street from the convention hall, or better still, an arcaded terrace covering Fifteenth street, with large, broad flights of steps down to the plaza would make a monumental and most admirable approach to the hall. All the cars and other vehicles on Fifteenth street could unload their passengers under this arcaded approach and other ample exits and entrances could be provided directly from Sixteenth street into the building, which would be over it. Of course, the facade west of Sixteenth street, or facing Seventeenth street, would similarly be imposing architecturally as it would open upon broad ramps and a parked space between it and the front of the new and enlarged station at Seventeenth street.

"Persons intending to take trains at a new station so located would not have to walk as far as they often do now, as, with the present dead end station the trains and cars frequently pile up that far west. With the new station, however, things would be different, as the trains would pull in through, as in the case of the New York Terminal, and would pass under the Parkway, which would be within a couple of hundred feet of the northeast corner of such a station, and on



around by a gradual curve to a subway under Broad street.

"Such a grouping of buildings as now proposed with a wide street and plazas around both station and hall and the Parkway adjacent, would afford the most excellent opportunity for the handling of people and traffic, and avoid all congestion, thus serving a more utilitarian than an artistic purpose, and yet the effect produced would be one of the finest in this country.

"If this suggestion would fit in with the plans which the railroad company must undoubtedly now be considering, and with the general scheme to be developed by Mr. Taylor's new Transit Commission, the city might by acting now, acquire this property at but slight, if any, actual outlay by abandoning Filbert and Cuthbert streets, west of Seventeenth street, and certain other streets of value to the railroad in bettering its transportation and terminal facilities, which work advantage to the city and the community at large."

Mr. Boyd has written "The Bulletin," from which the foregoing has been taken, the following letter emphasizing points in his plan not given their due emphasis in "The Bulletin's" article:

"No mention was made of the fact that this suggestion was offered independently of the convention hall and people's recreation center, as proposed for the Snyder's Woods site. I am one of the many believers in the advantages of that site for the purposes intended by the great creation of Mr. Windrim, and my suggestion is for a convention hall and down town auditorium and exhibition building, in addition to the other, each fulfilling many separate functions.

"You did not mention the fact, which I emphasized in my suggestion, that the present train shed is of an antiquated design and as a structure for its purposes is of a type already abandoned by railroads, which are using the umbrella type as in the new train sheds at Washington, or the individual concrete arch type as in the new station at Baltimore. And, if the tracks are to be underground, as will likely be the case here, the type would be still different. In any case it would seem the shed is doomed unless some other use be made of it as suggested.

"You made no reference to the present frame structure at Broad and Allegheny avenues, and the danger to life and property entailed by the proposition to allow it to remain instead of being razed, as it should be at once.

"You did not state that my suggestion was made with the hope that it would fit

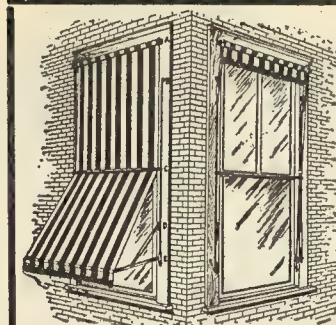
in with any plans which the Comprehensive Plans Commission might be considering—and I was particularly anxious that their name should have been brought into the matter.

"Other than the above, the presentation fully met my views, and I appreciate your interest in the matter.

"If any real value lies in the suggestion, as I believe it does, then it seems to me that something might be accomplished, even if only a further interest be aroused in our city's improvement by a discussion of the matter to bring out its advantages or disadvantages.

"I should like to know, for instance, how the Market Street Business Men's Association feel on the subject, as they have been very active in urging that the unsightly and space consuming freight sheds along Market street be transformed into stores, which is only one of the many improvements coming within the scope of my suggestion."

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## Architectural Notes

"After some fifteen years of service, in which government architecture in the United States rose from a worse than mediocre condition to a representative position, the architect in chief, James Knox Taylor, has resigned," observes the "Western Watchman." "He found the office a harbor for the political appointee; he leaves it what it should be, the premier architectural office in the country. The work he has done has stood the test of design and of construction and plan, but the executive and diplomatic talent which he brought to the surface and upon which the peculiar conditions made success depend, has done more to establish the office than the creation of acceptable buildings. That we feel sure of the permanency of his established architectural vogue, and the elimination of all political influence, is just reason for congratulating James Knox Taylor upon his retirement, rather than deploring his loss. His successor has before him high ideals in design, a procedure and routine in construction that is not affected by the change of party or the interference of politicians. Oscar Wenderoth has been long connected

with the department. He was selected as 'head draftsman' in charge of the Senate Building under Hastings, and the House Building under Carrere, and is now appointed to the office of Supervising Architect of the Treasury, with much the same line of initial experience as his predecessor. He can hardly make that office better, but he can carry out the lines that Mr. Taylor has so well established. If this is done, another generation will find the United States possessed of the most representative public buildings in the world, as those designed under Mr. Taylor marked the beginning of the new epoch in government building design.

"Mr. Taylor has recently been offered and has accepted a chair in the Department of Architecture in the Massachusetts Institute of Technology, from which institute he graduated in 1879. This institution is to be congratulated on securing the services of one who is so eminently fitted to direct the architectural thought of America's leading technical school."

\* \* \*

The Court House Board in New York City has added to the list of ten architects who were invited to submit designs for the new Court House the names of Cass Gilbert and George B. Post & Sons. They will receive as the other invited architects a honorarium of \$1,000 to cover the expense of preparing their designs, and their inclusion in the list has been made with the consent of the ten first invited. The program for the open competition, from which ten other architects will

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be selected for the final competition, will be ready about the middle of the month.

\* \* \*

"The seaside house means for very many of us some sort of a shack hastily put together by a contractor without any pretension to artistic effect, and just as uncomfortable as it can possibly be, and still be lived in," writes Aymar Embury in "House and Garden." "Now, this sort of thing is all very well for a camp, to which one goes with a full intention of getting fun out of discomfort and making simplicity and personal work the keynote of life, but for those, and there are very many of us, who go to the seashore because it is cool, and because it affords an opportunity for recreations not possible in inland places, a comfortable and attractive home is as much an essential as it

is anywhere else. Personally, while I sympathize with those who like camp life, for myself I do not in the least enjoy it; I like my three meals a day as well cooked and as well served as anywhere else, and while it is perfectly true that the seashore brings unusual hunger as a sauce, I think it entirely unnecessary that it should be the only one.

"Again, I can see no reason why a seashore house should not be beautiful, and yet there are many thousands of people who live for eight months of the year in surroundings quite as attractive as they can make them, and for the remainder live at the seashore in bare, unsightly quarters of atrocious design, simply because it does not occur to them that seashore houses mean anything else. We have been for so long accustomed to seaside houses built of various colored shingles, with piazzas supported by turned posts and trimmed with ridiculous jig-sawn brackets, that this has grown to be almost a traditional seaside type, and when we do see a house both beautiful and comfortable in the neighborhood of the seashore, this strikes us as an anomaly. Yet it is upon these anomalies that the future of our country architecture is dependent. The main thing is that the house should fit its surroundings and should afford an appropriate and comfortable home for its owner."

The most valuable asset in any business undertaken is brains. A necessary asset is money. Opportunities come to us all, but are not always grasped when they knock at our door. The big opportunities come and remain with the man who can combine an investment of money, however small, with a large investment of brains.—Exchange.

### A PERFECT FLOOR PLAN.

The distribution of the various rooms in a detached dwelling in their relation to exposure and sunlight should receive consideration according to the following facts, says the Bulletin of the Real Estate Board of Brokers:

A western or southwestern exposure is not good for a dining room, as the afternoon sun heats it unreasonably in summer. The outlook should be preferably to the south or east or to the north as a last resort, but never to the west unless unavoidable.

The living room, which should be bright and cheerful, should face the east. The morning room, drawing room or reception room, usually little used, can face to the north or west.

The library must be dry, may face the east. The morning room should face east or southeast. Kitchens require cool locations where possible, and the northerly exposure is therefore best.

Bedrooms should have the utmost possible amount of sunlight, as it is materially conducive to health, and in building the positions of the beds should be indicated on the plans. You should not have them in a direct draft between doors or windows or windows and fire-place, nor should the eyes of the sleeper face the light on awakening, neither should the side of the bed be placed against the wall. Every bed room should have an open fire-place or a ventilating flue.

Bath rooms and plumbing on different floors should be placed over one another to give direct simple drainage. Ceilings should be from 10 to 11 feet from the floor in the clear, and the windows are often best designed when grouped, as inside wall space is essential.

Windows that are too large and too many make the house hot in summer and cold in winter, but this may be remedied in part by using plate glass.

### LOW TONES IN CURRENT DECORATIONS.

For door and window draperies of the Marie Antoinette salon or a colonial drawing room there is a new idea brought for 1912—gray effect. This gray tone is never obtrusive, does not weary the senses, is dignified, charming and picturesque. Gray curtains made of chintz, china silk and sheeting or the sumptuous brocade and satin are the ideal accompaniment of the house where every color scheme is kept in low tone, says a writer in "Decorative Furniture." The result is a habitation very soothing to the eyes and nerves, and one of which nobody wearies quickly.

When you don't advertise nobody knows that you are doing business, and it won't be long before you'll not know it yourself.—Ex.

While it pays to think, it is thought in action that puts money in the bank.—Exchange.



## ART AND THE COMMUNITY

Goethe, the great German poet and thinker, says in one of his conversations with Eckermann: "All reactionary periods are subjective, i. e., personal; all progressive periods have, on the other hand, an objective, impersonal direction. Our present time is reactionary, because it is subjective."

From this it follows, that in a period of personal tendencies no great art can develop, because that will only be the case in a progressive period, a period of a movement in objective direction.

For a great art must be understood to be such an art as penetrates and permeates the whole social life and structure, an art which is, therefore, the outcome of a general harmony of the outlook on life, of a spiritual ideal. And it is only in such a case that one can speak of culture in general, because a great, general style, as the realization of this outlook, is the reflection of a culture, for culture and civilization are ideas which can exclude one another so that culture is possible without civilization, as well as civilization without culture.

This is the reason why the nineteenth century could not be an epoch of a great art. For during that century we do not perceive an unwavering line in the spiritual and intellectual currents, and consequently in the social doings and happenings, but simply a general confusion of ideas and tendencies. But it should be borne in mind, that in such a period of personal art, as meant by Goethe, like the art of Goethe himself, or of Beethoven, or Wagner, can rise to a great height—a height which excites our admiration, because it is the expression of personal genius. But it is curious that, whilst in such a period a similar development of the personal element can take place in the plastic, i. e., the really style-creating arts, experience teaches that such a personal expression is not of equal power in these arts.

In Europe, during the latter years of the nineteenth century, however, a change was to be observed in the direction of a development of the plastic arts, no longer the outcome of purely personal sentiment, but according to a certain harmony, to standing, i. e., objective principles. This development began with the technical art proper; and architecture, which, like these, was completely founded on the old, and therefore antiquated styles, moved into another direction.

In the nineteenth century the architectural arts were purely eclectic; they could not possibly be anything else, even because they lacked that spiritual base, that life-giving element, which is indispensable to independent creation.

For in every country an imitation of antique style-forms is to be seen, as well of that of the Renaissance as of the Gothic period, not to speak of other exotic imitations. But especially the styles of the French

Kings, the styles which had governed the world during France's period of greatness, were being dragged about, so that they are a weariness of the flesh. And this is still the case in Europe as well as in America, in which latter country one yet looks to Europe for examples, instead of striving to develop a modern architecture. Are not the very skyscrapers being put together from elements of classical European architecture? And this is the more incomprehensible, not to say deplorable, as the elements for the development of an independent art are certainly present. Now, would it not be possible to draw from the signs of a new growth of art, of which I have spoken just now, the inference that we are once more living in a progressive period, and that one with a well-defined spiritual ideal? From which might be deducted that slowly-developing material progress is being made to, as, after all, spiritual progress is not possible without this.

For such an ideal, such a belief, was indeed in classical antiquity, the motive power as it was too, in the middle ages, though that power in the latter was opposed to that of the former.

Can it simply be a coincidence that the tendency of classical architecture went in horizontal, that is, earthly direction, whilst that of the middle ages went in vertical, that is, towards heaven?

For only a general ideal leads to spiritual harmony, to spiritual organization, that is, to a certain conventionality. Of this all religions give evidence, because a religion without conventionality cannot exist. The reflection of such a spiritual dogma is equally an organized or conventional art, that is, a style. "All art," says Scheffler, the contemporary German writer and art critic, "in so far as she will be a language of the soul, has to take recourse to conventionality." "She requires harmony as well for its inwardness as for the outward form, for that, which she wants to say, and also for the means with which she wants to express her meaning." And now, it is organization which leads to impersonality—wherewith I remind you of what I have already said—to the generalization, because the individual subjection to the bond of unities is indispensable to that tendency. In this connection notice should, however, be taken of the difference between individual and subject, or between individualism and subjectivity, which categories, according to Schopenhauer, are related as the will to willfulness. This should be understood in this manner, that in the great periods of culture and of art the artist certainly remains individualistic, though he does not seek himself, and therefore feels himself subjected to the community, whose sentiments he interprets through his art; whilst in a cultureless period the artist becomes subjectiveistic, placing not the cause but himself

in the foreground, that is to say, above his fellow-men, to whom he communicates his sentiments.

In great periods the style of the artist always was the individual expression of the general atmosphere. By this one recognized the artist, but he remained subject to the idea of the general style. On the other hand, when there was no general idea of unity, the subject only comes to the front, with all the consequent obstinacies. But are obstinate persons of any use to the community?

The tragical side, however, is that in such period as we now find ourselves in, great artists are born, who, within the limits of an unshakable conviction, would have created immortal works of art, but whose art cannot now develop itself to such eminence.

In the light of these considerations it becomes clear why in the great style periods it is indeed architecture which produces its greatest creations, and why exactly this same art sinks lowest of all arts in a cultureless period.

For in the great style periods, architecture is the standard of merit of spiritual ideas, because religion and architecture together go to make a culture. But lacking these ideas it irrevocably loses its power, the immediate consequence of which is a quest of imitation, the result of which is equal to a spiritless, that is, a dead art.

Quoth Ruskin: "I do not know anything more oppressive when the mind is once awakened to its characteristics, than the aspect of a dead architecture."

And just therefore the temple, the sublimest structure, because to its is applied the whole of the plastic arts in their loftiest expression, sinks in such a period to the level of an expressionless make-believe.

Historically speaking, this enervation already commences with the Renaissance, because this spiritual movement principally means the recognition of subjectivism over against the dogmatic organization of the dogmatic organization of the church in the middle ages.

In religion this movement finds expression in the Reformation, so that Protestantism, though not opposed to art, does not need art for its deeper sentiments. Says Oscar Wilde in his "De Profundis": "To me one of the things in history the most to be regretted, is that the Christ's own Renaissance, which has produced the cathedral at Chartres, the Arthurian cycle of legends, the life of St. Francis of Assisi, the art of Giotto, and Dante's 'Divine Comedy,' was not allowed to develop on its own lines, but was interrupted and spoiled by the dreary classical Renaissance that gave us Petrarch, and Raphael's frescoes, and palladian architecture, and formal French tragedy, and St. Paul's Cathedral, and Pope's poetry, and everything that is made from without and by dead rules, and does not spring from within, through some spirit informing it." With the Renaissance the signification of church building is lowered, and therewith architectural

(Continued on page 538.)



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# Editorial Comment

"The Guide" is pleased to present in this number Mr. D. Knickerbacker Boyd's suggestion of a site at once suitable and appropriate for Philadelphia's too-much-discussed new Convention Hall. The Reyburn administration carrying out the semi-visionary schemes of its nominal head, fixed upon Snyder's Wood, Fairmount Park, as the spot whereon to locate this edifice despite the earnest and active opposition of architectural organizations, the press, commercial bodies and thinking people generally.

Our readers may recall with what vigor "The Guide" opposed at the time the hare-brained project of establishing a building designed for the accommodation of thousands of visitors from other cities in a spot so hopelessly inappropriate, inaccessible and out of touch with the city's mercantile, financial and social centers. The passing of the Reyburn administration marked happily the passing of this grandiose dream. Mayor Blankenburg, under obligations to house the German singers, erected a temporary structure at Broad and Allegheny avenue, which, if it has served no other purpose, has at least served to prove in a practical and concrete way the utter absurdity of locating a building of the kind away from the hotel, amusement and shopping centers of the town. Mr. Boyd's suggestion that an arrangement be effected whereby this great and imposing edifice can be made to face on the new parkway right in the heart of the city's business center is by long odds the sanest proposition which has been advanced on this subject. At first blush a proposition which involves the removal of the Pennsylvania Railroad Station from its familiar site at Broad and Market streets to a point further west would seem to be beset by difficulties more or less insuperable. One has, however, only to read carefully the text of Mr. Boyd's idea to discover that the plan he proposes is not only perfectly feasible, but actually of advantage both to the Pennsylvania Railroad and to the city. The railroad has, for example, long outgrown the antiquated, architecturally unimposing and cramped quarters it now occupies. There is reason to believe that an opportunity to erect a terminal more in keeping with "Pennsy" traditions, and the commanding position of the system as an institution more than parochial in its importance, would not be unwelcome to certain factors influential in the road's management. The city would gain by the project a fitting terminus to its splendid and stately parkway, a convention hall convenient to railroad accommodations, hotel, shopping and other conveniences essential to the success of an enterprise of the kind and the railroad a magnificent new station in keeping with its New York terminal not only at the city's centre, but abutting and adjoining the Convention Hall itself with

all the possibilities of passenger and freight traffic this proximity must necessarily assure. "The Guide" hopes that Mr. Boyd's excellent suggestion will have the most careful consideration at the hands of Mayor Blankenburg and his Comprehensive Plans Committee. Certain phases of the proposition omitted from newspaper accounts of the Boyd suggestion are covered in a communication which "The Guide" presents as corrective addendum.

\* \* \*

An article on "Public Comfort Stations" in the August number of the "Engineering Review" presents some interesting data concerning the intelligent, progressive and popular manner in which this feature of modern municipal management is handled at Worcester, Mass.:

"The public comfort station at Worcester, Mass., originally cost \$14,000 and the cost of the annual maintenance is about \$3,500. Three men are employed, each working one shift of eight hours a day, six days a week, and one man eight hours per day, working three days a week. This arrangement complies with state law relative to the employment of labor and insures the men's side of the station being always open day and night every day in the year. The men are paid \$1.50 a day.

"The women's side is open sixteen hours a day, every day in the year. It is cared for by women in two shifts, each working eight hours a day, seven days a week. They are paid \$1.20 a day. The hours when the women's side is open to the public are between 6.30 A. M. and 10.30 P. M.

"By the constant patronage it has received, day and night, from both sexes, it has proven a 'convenience' indeed. It was hoped that at least one closet fixture for each sex could be put under lock and key, reserved for private use, and to charge thereto a nominal sum for this special privilege. But owing to the demands being made upon the building's present facilities, it was found that the city would have to allow the free use of all the fixtures without reserve. During Saturdays, Sundays, holidays and the rush hours of the day and night, the capacity of the building is taxed to the utmost, especially on the men's side, and if that portion of the building could be increased in size, allowing for additional fixtures, the station would be better able to accommodate the general public, who are finding this building all that its sponsors claimed for it, except that on the men's side at least it could to advantage be larger.

"The toilet paper is furnished free in all of the water closet compartments. Individual towels and soap can be obtained in both the men's and women's sides by depositing a nickel in an automatic slot machine. The



city receives a small percentage of the revenue from these machines. The size of the building and the number of fixtures for the convenience provided therein are indicated in the illustrations. There are also installed 'sanitary' drinking fountains, one on each side of the building to conform with the recent requirements of the state law."

\* \* \*

Here is Philadelphia, rated one of the most important of modern municipalities, without one public comfort station worthy of the name. There is a wretched effort at such an accommodation at the City Hall which closes at nightfall, although the same authority which permits this pays a band to play on the north plaza until 10 P. M. Is additional comment necessary?

\* \* \*

San Francisco is having a spirited little controversy over the naming of a city architect. Just why any city should maintain a city architect does not seem to us to be at all clear. When one considers how much better city work may be planned and designed by private commission and how much more artistic and satisfactory is work done in this way, one finds one's self wondering why any city of importance should find a city architect at all necessary. The considerations operating to deprive cities of the right grade of ability in positions of the kind are cleverly outlined in an editorial in the "Western Architect":

"The controversy in which the architects of San Francisco are engaged over the appointment of a city architect brings up the subject of the employment of an architect by public bodies generally. There is first the supervising architect of the treasury in charge of the buildings designed and constructed for the national government; then the state architect, who performs the same service for the state; and then the municipal architect who represents the city as a whole, except where a school board employs an architect for the designing of school buildings. In each case the appointment is in line with other political appointments, and subject to the same conditions. Time was when a Mullet held the office of supervising architect, and while he is said to have been a good stone mason, he was apt to judge the drawing of a moulding, held for his inspection upside down, as 'too Gothicy.' While the supervising architect is still appointed by the Secretary of the Treasury, it is ability to fill the office, and not political influence, that govern the selection. The nation as a whole, and its representatives at Washington, have advanced in a knowledge of architecture in the past thirty years. As with the nation so with the state and with the municipality. Some states and some cities are still thirty years behind in architectural appreciation, and in these the man of mediocre or no architectural ability is appointed, and the public is served with a low grade of design. New York, Massachusetts and Illinois rank with the national government in their appreciation of architecture,

and in these states are found men of standing and ability designing for the state. There are few, if any, cities that have as yet risen to this rank, probably because the matter of appointment comes nearer the public, and the people still are inclined to think a thousand dollar salary large for a man who does nothing but draw plans. Even the educational position occupied by a school board is not generally a guarantee that an architect of exceptional ability in the direction of design and plan for schools will be employed for this important work. As the price of steel is said to be the thermometer of trade, so the architecture of public buildings indicates the intellectual as well as the art advancement of a people. It is to the architecture of the past that the archaeologist looks for the stage of civilization occupied at the time, and the present, as well as the future of this or any other country, may be judged by the same infallible standard. Whether the architect for the city of San Francisco be appointed by the commissioner of public works or the city council, matters little. It is the moral, intellectual and artistic standard of the architect appointed that counts. This is the one point that the chapter should insist on, though local conditions may urge that the council be the appointing and governing agent.

#### OUR FIRST STATION HOTEL.

The new Biltmore Hotel will, so far as we can recollect, be the first station hotel of any importance erected in this country. As every traveler knows, there are a great many station hotels in England and some in France and Germany, but until the present instance American railroads have not participated in the hotel business in large cities. In case of the Baltimore trains from the West will deposit their passengers underneath the hotel building, and the travelers can secure accommodations without going out-doors, taking a cab or bothering about the transportation of their luggage. Furthermore, one-half of the building will be planned and managed for the benefit of business men. It will contain a large number of comparatively small rooms and will charge a somewhat lower scale of prices.

In all probability the construction of this hotel will prove to be an excellent investment for the New York Central Railroad Company. Quite apart from the fact that a modern business man's hotel is very much needed and that the location of the new Biltmore is excellent, the providing of these accommodations ought to be of substantial assistance to the business of the railroad. Business men who use the hotel will, if possible, be sure to use the railroad, and it will be such a distinct convenience to use the hotel that the number of such people may be considerable. It would appear that the Pennsylvania Railroad Company will suffer in competition with the New York Central unless it builds a hotel which provides similar accommodations for its customers. The

location of the Pennsylvania Railroad terminal is such that a station hotel could not compete for the fashionable trade, but as soon as the new subways are finished it will constitute an even better location for a business man's hotel. The railroad company could afford to make a really moderate rate for rooms for the purpose of attracting customers to the hotel, because a large part of the patrons of the building would use the railroad in order to reach and leave New York. It is true that the new hotel that is now being erected on Greeley Square is planned to be a business man's hotel, which would give any similar enterprise financed by the railroad stiff local competition, but the railroad company could furnish its customers the same conveniences as the Biltmore, and it could afford to make a cheaper rate. There is no reason why there should not be room for both of them. It must be remembered in this connection that the building of the new Broadway subway will necessitate the destruction of the Astor House, because the tunnel, as it turns west between Park Place and Vessey street, undermines that building and will render it useless.

#### NATURAL AND PORTLAND CEMENT.

Question.—What is the difference between "natural" cement and Portland cement?—S. H. J., Los Angeles, Cal.

Answer.—Natural cement is so called because the raw material from which it is made is found in a natural state and is used just as it comes from the earth, requiring neither artificial proportioning nor the admixture of other ingredients. In the case of the Portlands, on the other hand—for the different brands of Portland cement differ among themselves in chemical composition, and there is no general chemical formula for mortland cement—the raw material is in every case an artificial mixture. Some natural ingredients, of course, are used in making Portland cement; but the proportioning and mixing are always artificially done, and only after careful chemical and physical tests to determine exactly the proportions required and the degree of fineness of grinding necessary for developing the qualities desired.

Natural cements are made by calcining argillaceous (clayey) limestones (cement rock), or magnesian limestone (dolomite.) The temperature required is considerably lower than that needed for the making of Portland cement. The clinker from the kiln is simply ground to a fine powder, which is then immediately ready for use.

Portland cement, on the other hand, is the result of a long chain of complicated manufacturing processes, each of which requires the most careful technical supervision. These processes comprise selecting and testing raw ingredients, artificial proportioning, mixing, grinding and regrinding, calcining, and grinding and regrinding again to an impalpable powder.—"Cement World."



## Is that New Building Operation of Yours Nearing Completion?

**Are you ready to show possible purchasers what you have prepared for them in the way of modern conveniences? You are not ready if the houses have not been wired for Electricity—you cannot make quick sales now-a-days unless dwellings are electrically equipped.**



While the world is discussing the existence or non-existence of luck, the busy man and the man anxious to get ahead assumes for the sake of argument that there is such a thing as luck. There are said to be two kinds of luck, good luck and bad luck, but the industrious man only thinks of good luck, and the things that produce good luck. He takes the same attitude as did Benjamin Franklin that good luck is the offspring of application and hard work. Summed up in the word of "Poor Richard," "Diligence is the mother of good luck."—Exchange.

**The "Builder's Guide" is the OLDEST, and the ONLY Architectural Publication in Pennsylvania.**

### ART AND THE COMMUNITY.

(Continued from page 535.)

art as a whole, because the architectural forms in general are derived from the building of the religious community. The influence over us of a church interior in Renaissance style, even when it has been originally intended for Roman-Catholic cult, can therefore not be compared with the feeling of awe, that the noble space of a Gothic cathedral sheds over us, an experience, undergone by everybody who enters such a church.

And this difference is therefore even more striking when it concerns a church, expressly built for Protestant worship.

In this connection it is curious to notice that the architectural, that is the constructive scheme of the Renaissance itself, is an antiquated scheme, viz: that of the Romans, who applied the column-system of the Greeks in a wrong, that is, not in a constructive manner, but used that classical scheme only for the ornamentation of their own architecture.

And we also know that the religious life of the Romans did not possess the earnestness of that of the Greeks, so that even in this manner there seems to be a peculiar relation between a pure architecture and an ideal spiritual life.

With the Renaissance, architecture thus loses its rank as leading, style-giving art, from which resulted that the arts of sculpture and painting developed independently. The Renaissance therefore led to a subjectivation of the arts, a growth towards specialization, whilst these same arts led an individual existence in the great band of unity of classical times, and of the middle ages.

The French Revolution completed this putting for ever an end to the trade societies of the middle ages, the craft guilds. The last conventionalities were thereby eliminated; and we know that architecture again, of all the arts, needs conventionality more than any of them, in order to develop into a styleful art of general importance. The aforementioned Scheffler says on this subject: "For her, that is for architecture, imagination counts in the phenomena of burden and support, whilst the peculiar phenomena are excluded in nature. Genius must here show its power by producing forms not borrowed from nature. The sprightliness and versatility of the pictorial and poetical arts are therefore never to be found in architecture. Her developments progress but slowly; each architectural form is, as the result of power-sensations, of the materialization of the abstract and of the quintessence of a series of presentations, a formula, containing the static-constructive imaginings of many. Self-contained individualism is, I stipulate, in this connection impossible, because the individual can never rid himself of what surrounds him; for his capriciousness is limited on all sides, and the gift of imagination does not suffice the individual for this abstract world of forms and shapes. Architectural forms only originate from the united endeavors of whole generations. They are therefore more lasting than all art tokens derived from nature. The architectural forms, in which the tendencies of a people harmonize, are an essence, related to all the plastic arts; they last longer than the changing times, and represent something like "eternal beauties." Simply think of the column—and architrave—forms of the Greeks, which are passing for 2,000 years through the history of art, without losing anything in the way of interest, power, logic, and importance. They are rarely pure crystallizations of the human ideas of order. I stipulate, because order springs from organization. The art of the Greeks was therefore organized, from which followed that in architecture one speaks of orders.

How harmonious a public spirit (I stipulate again) there must have been; how warm a life must have been glowing in the antique conventions, that we are still so much in sympathy with those works of art; how expansive an idea shows itself in that art—one hardly dares to say it: and idea of deep

wisdom, because it presumably was not the outcome of an independent action of the will. Creative acts, producing such forms, can only happen on the primeval ground of a religious idea of community, because they are themselves of a religious character in the most liberal meaning of the word. The architect seeks for laws by understanding forms, as well as the powers of nature and their eternal logic. And this understanding finds utterance in the shape of beauty. In this way the slow change of the architectural styles is explained. The renovation of the basic form of architecture is only then felt as a necessity; when the outlook of life changes—an expression to which I draw special attention. The history of religions is at the same time the history of architecture. Every religion has its style. What comes up between the religious epochs, is simply poor imitation of traditional values, a transition between periods of a certain importance."

We, on the other hand, have come to recognize, as has been confirmed by many authors, that this same religious life has come down to purely formal service. And this, as has been remarked before, necessarily goes hand in hand with complete retrogression of architecture, which here results in copying old styles, and there in a particularization in subjectivism of that high art, of which the so-called "Jugend-Stil" became one of the many expressions in Europe.

The consequence of this situation was that art in general came to stand away from the people, that is to say, outside the community, which means outside the pale of true social life!

It therefore acquires a somewhat mysterious character, comes to be considered as something supernatural, and therefore incomprehensible, with the obvious consequence that the artist is regarded as a peculiar kind of being, which he all but readily accepts. But when we reflect that the feeling for art is present in every human being, and that an artist is distinguished from his fellow-men only in this, that he is able to express art, then he has no right to consider himself of superior value because of that quality—and certainly not as a man for whom there are other morals. It rather ought to be the reverse, as Plato has already said, that an immoral man should not be allowed to create a work of art.

But is another sentiment at all possible in a subjectivistic period? But in how sad a position does architecture find itself in such a state of society. Through its trend in the direction of eclecticism, through its copying of styles, it became the least understood of all the arts, because the notion arose that the art of building consists simply in the knowledge of these old styles. And the architects themselves accepted this notion, as, of course, did the professors of the art, which latter replaced the artists when it came to teaching and enlightening the public. Add to this the many incompetents, who threw themselves upon the architect's profession, and you will have the sum total



of the reasons which led to architecture no longer being considered an art, nor the architect an artist.

And ought not architecture to be the most popular of arts, for the very reason that she is the direct expression of social life, the true cultural art, the art which can least of all be missed? Towards the latter part of the 19th century, another tendency became, as I have said before, evident in applied art in Europe—a tendency which at the outset was characterized by a total neglect of old-style forms, by a general simplification of real ornamentation. Purity of construction, simplicity in decoration, and suitability—these were the characteristics of a movement, which, though first in England, became evident in all other countries, too.

All the same, such a movement is in itself not only not new, but it is the unmistakable characteristic of all initial periods of a great art. For the period of growth, that is of striving, is naturally that in which the basic form has to be fixed. This basic form then gradually develops into full bloom, into perfect harmony, to descend at last into the so-called baroque period of decline. This latter is characterized by the decorative element coming to the front, to the detriment of the purely constructive principles.

And as regards the general trend of such a movement it cannot be called anything but natural, because nature itself observes the most superior suitability and simplicity in the construction of her products.

The great German Philosopher Kant says about this: "The beautiful must possess the quality of suitability in so far that it may be observed in the object without its use being evident." And Goethe remarks that not all that is suitable is beautiful, but that all that is beautiful is certainly suitable.

Should not, therefore, nature be the mother of art, that the artist may learn from her to be simple, before anything else, as regards construction, as well as decoration, which results from this suitable construction. As to naturalness it is indeed to be observed that the more pure, logical, and simple a structure, the better it harmonizes with natural surroundings.

This is the secret why all farmhouses, though not works of art in an architectural sense, seem to be made, so to say, by nature itself. But this, after all, also is the secret why all styleful architecture, from the simplest village church to the cathedral, and from the smallest cottage to the princely mansion, being works of art, really harmonize with natural surroundings. And this explains why 19th century Gothic and Renaissance villas stand out violently against nature; they are not works of art. And it is also perfectly evident that this harmony with the surroundings rises or falls with the graduated power of a style. For, in accordance with these observations, the thesis could be defended that, generally speaking, a Renaissance building therefore harmonizes less with natural surroundings than, for instance, a Roman one, because the former is as such,

architecturally on a lower plan than the latter.

For this modern movement to have any intrinsic value, that is to say possessing guarantee of a possibility of developing into a great art, it must have, if it wants to respond of these considerations, a spiritual basis.

The aforementioned Scheffler, speaking for the tendency of the modern movement, says: "What the art-craftsmen call suitability is originally the idea of casuality, thus the idea of God; and the zealous endeavors to construct dwelling-houses and office buildings in sensible manner, has its origin in spiritual currents, moved by religious sentiments."

Thus we see how this thinker already discovers a religious basis of this tendency, and therefore grants it the value we require it to possess. And it is, moreover expressed thereby that though this architecture will resume its legitimate place as leading art, which he expounds as follows:

"Whilst the past time always borrowed the architectural art-forms from ideal structures, the present time endeavors to develop new forms from profane structures, from buildings of economical suitability. Even this phenomenon confirms the principle of development! For the economically organized business life is nowadays the only sphere in which conventions about necessary conditions of life are being made. In every other sphere social conditions are still in a state of anarchy, of the temporary agreement, or of lifeless tradition. Only in business life an independent spirit, distinct from all former, is to be described."

From this exposition it clearly appears that the author considers the organization of modern business life, that is in general, of labor, as the spiritual motive of our time, and that architecture has already come to conventions in its behalf.

And now, I am of the opinion that the ideal side of this basis, the social ideal, i. e., that which gives direction to this organization, is the "idea of democracy." Do we not know that this same self-contained, profit-mongering business life, has as an antithesis, given rise to the more ideal notion, that strives after general economic independence?

And from this ideal motion alone, therefore, a high art can be expected in the future, for that notion certainly has a religious character.

It is undoubtedly difficult to surmise the social relations which will develop from the present ones, as well as the fixed form which they at last will take. But notwithstanding this, one must after all recognize that the ultimate object of the political struggle of our time aims at the economic equality of all human beings. And would not the realization of this object mean higher social ideal than any preceding one, notwithstanding the fact that it will be confined to earthly relations? For whatever the ideas of the new society may be with regard to the relations of man with a supermundane world, it will certainly elevate life, the value

of earthly existence, to so high a level that the concentration of all human thought about an ethical idea will be confined not to a possible existence hereafter, but to an actual existence on this earth.

And then, because there will be a spiritual, that is a social convention, there will also be a new art, which will be able to develop itself from the newer ideas, now evolving themselves in the realms of art.

But that will only then be the case when architecture strictly adheres to the principle of pure reality, in construction as well as in ornamentation. Quoth Ruskin: "The arts of our day must not be luxurious, nor its metaphysics idle."

For this very architecture, because in the preceding art-weaned period sunk the lowest, is again pre-destined to once more take the lead of the plastic arts, and therewith of a great style. For this reality in construction as well as in ornamentation, the quality of which in this case we are speaking, does not really need to be explained in a materialistic sense. It will, certainly as regards ornamentation, have to be the sole result of great deliberateness, in contradiction to the most senseless surfeit of 19th century architecture, which may be called the worst consequence of the prevailing absence of system.

For, that not simply the practical subdivision, but also the artistic appearance of a building is to be a matter of the utmost consideration, in contradiction with those holding that art is purely an expression of feeling, that is, something subjectivistic, has already been seen by Voltaire, when he composed the following lines on a Doric Temple:

"Its noble architecture was most simple  
Back ornament arrested in its place  
Seemed called for by necessity,  
Art hid herself—as if herself were nature  
And satisfied, the eye took in this structure,  
Never surprised and always still enchanted."

And even as those Doric forms of art are the most ideal examples of convention, as has already been remarked, so will the coming architecture be distinguished by conventional forms, because they will have originated from general harmony. For they will be the result of different individual insights, which will at last have dissolved into a final form, and not the invention of one single person, because, as has already been said, the insight of one single person will not be sufficient for such social action.

And therefore only those will co-operate towards the development of this coming architecture, who are at the present time working in this sense, that is in objectivistic direction, because they unconsciously feel the coming of future society.

The expressions of personal art of our time will, however, be of no value for the coming times, because they do not possess the possibility of development.

A young Dutch poet, Scheltema, therefore



says in his book "Foundations for a New Poesy," that in future times the great line, which leads from the particular to the general, will be drawn over those whose art drove back to society, from whose soul, from whose labors a new love of humanity has found vent.

And where a similar development as that of former times may be expected, as history is wont to repeat itself, the ideal building of the future will equally be a building of social character.

Even now we see that buildings for trade unions and popular use are being built, which will hereafter appear to be to have its prototypes. But that building will then be the result of the artistic power of the community as a whole, so that from it will spring the spiritual power, the inspiration, but in manner different from both the preceding culture periods. We surely think in this connection of a renaissance classical world, because the religious ideal will bear resemblance to it, even like to that of the middle ages. But because that ideal will be the expression of the religion of true society, because it will be based upon a higher world-notion than that of both culture periods, the great art will, as it reflection, assume a higher form than that of any preceding epoch whatsoever. And from this will spring not only a higher culture, but only then will commence the real culture history of humanity.

### BUILDING COSTS.

#### Comparison of Frame and Brick Construction for Dwelling Houses.

The report of the committee on fire protection of the Boston Chamber of Commerce included some very interesting figures on the comparative cost of frame and brick construction for dwelling houses. The conclusion was that the slightly greater cost of brick, which averaged under 10 per cent. more than frame, was more than offset in a few years by the lesser cost of maintenance and insurance and by the greater comfort and durability of the structure. The report says that when lumber was cheap and brick was more expensive than now, the idea became general that the cost of brick as compared with frame was almost prohibitive and this continues, although the conditions have changed so radically that the cost is now little more and the ultimate cost is less.

The purpose of the investigation was to encourage the use of brick and non-combustible interior construction for the purposes of fire protection, and this form of building was very strongly urged by the report. Bona fide bids were secured from five different contractors of good reputation on the cost of the construction of dwellings of brick, wood, cement and hollow blocks, the houses to be the same in every particular except the outer walls. Bids were secured on a modern, eight-room house, of good design and excellent arrangement, such as is

frequently built in and about large cities, and on these the bids of the five contractors varied comparatively little, and so the average was taken as a fair test of the practical cost, the contractors including their profits in all cases. The average paid for the various types was as follows, the second column showing the percentage of excess cost of each type over the clapboard type:

Clapboard .....	\$6,759.95	.0
Shingle .....	6,868.80	1.6
10-inch brick wall, hollow....	7,372.48	9.1
12-inch brick wall, solid....	7,641.00	13.0
Stucco on hollow block.....	7,187.65	6.3
Brick veneer on hollow block.	7,483.16	10.7
Stucco on frame .....	6,952.90	2.9
Brick veneer on boarding....	7,226.44	6.9
Brick veneer on studding....	7,153.98	5.8

The committee corresponded with contractors in various parts of the country in making up its report, and found from them that brick buildings were commonly estimated to cost 10 per cent. more than frame, while brick veneered buildings could be put up in many sections for 5 per cent. more than the cost of frame buildings, the difference in cost being usually more than offset by the lessened insurance premium. In the same way estimates were secured on annual cost of maintenance, including depreciation, for frame and brick dwellings, and it was found that the frame dwellings cost 26 per cent. more for maintenance and depreciation than the brick dwellings.

### MUCH BETTER CEMENT TO-DAY.

Concrete has been used since the days of the Romans, and probably before them. The dome of the Pantheon is of concrete, as are the foundations under the palaces on the Palatine Hill in Rome, and these works show the marks of the forms which were used in those early days and are still in excellent condition. To-day the cement which is being used, as far as engineering judgment based on 70 years of experience can determine, is a better cement than was used 2,000 years ago. The cement of the old days was a natural cement, a cement which was probably non-uniform in its composition. To-day our cement is a Portland or artificial cement, which is kept uniform by constant chemical analysis. Although the oldest reinforced concrete building is not much over 20 years of age, the technical world has long since given up worrying over the permanence of this material.

Peculiar conditions are often arising in the designs of a factory or a warehouse building which the lack of reinforced concrete would make difficult and expensive to meet. This is particularly true in foundation work. Reinforced concrete spread footings, cantilever footings, buttress walls, etc., are usually specified by engineers to save expense in this class of work. Special cantilever beams, special thickness of floors, specially shaped beams or girders or columns can be worked out in reinforced concrete when sim-

ilar details would be considered impossible to those whose knowledge of designing was limited to other materials.

### THE PACIFIC PANAMA EXPOSITION.

Ground has been broken for the Panama-Pacific International Exposition in 1915, and during the coming year much construction work on this project will be under way. A large corps of architects are working on the plans and the scope of these indicate that without a doubt this exposition will be the greatest ever attempted. One great feature will be the number of buildings of permanent construction that will be left for the city of San Francisco as well as parks and boulevards.

Among the structures upon which work will be commenced within a short time is the \$3,000,000 depot to be erected by the Southern Pacific Company at the foot of Market street, an addition to the Palace Hotel to cost \$500,000, an eleven-story structure to be erected by the Standard Oil Company at Sansome and Bush streets for its own needs, the United States Customs building at Sansome and Pine streets, an office building to be erected at a cost of \$600,000 by the Sharon Estate at New Montgomery and Stevenson streets, an apartment house on Sutter street and two buildings on Ellis street by the same interests at a cost of over \$1,000,000, the Sly Apartments on Nob Hill and an addition to the St. Francis Hotel.

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## PATENTS

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### REAL ESTATE TRANSFERS.

Summary for week ending August 10th, 1912:

Number of transfers.....	372
Amount of transfers.....	\$932,340.00
Cash consideration .....	101,280.00
Mortgage consideration .....	831,060.00
Ground rent consideration.....	252.75
Which on a six per cent. basis amounts to .....	4,363.51



# Reference Directory for Architects, Builders and Owners

## Artesian Wells.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.

## Artists' and Architects' Supplies.

F. Weber & Co., 1125 Chestnut st., Phila.

## Architectural Iron and Metal Work.

John L. Gaumer Co.,  
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## Awnings

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N. E. Cor. 9th and Arch sts., Phila.

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Blue Print Co., 1516 Chestnut Street, Phila.

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## Builders.

Mitchell Bros., 2125 Race St., Phila.  
Pomeroy Const. Co., 1609 Ranstead st., Phila.

## Builders' and Contractors' Machinery.

Henry T. Peirce, Bulletin Bldg., Phila.

## Canvas Roofing.

The Franklin Paper Co.,  
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## Cement.

Samuel H. French & Co.,  
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Chas. Warner Co., Land Title Bldg., Phila.  
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Duncan & Duncan, Inc.,  
1724 Chestnut st., Phila.

## Furnaces and Ranges.

Bartlett & Co., 1938 Market st., Phila.  
Henry M. Miller, 40 N. 2nd st., Phila.

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Broad and Arch sts., Phila.

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Makin Heating Co., 6 N. 18th St., Phila.

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## Metal Ceilings.

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## Metal Furniture.

Edward Darby & Sons Co.,  
233 Arch St., Phila.

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American Perfectile Co.,  
1526 Sansom St., Phila.

## Marble Mosaic.

Belfi Bros. & Co.,  
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4th and Callowhill sts., Phila.  
Pyramid Paint Co., 131 N. 22nd st., Phila.  
E. E. Nice 272 S. 2nd St., Phila.

## Parquetry Floors.

Strawbridge & Clothier,  
8th and Market Sts., Phila.

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7 S. 16th st., Phila.

Fritz & La Rue,  
4800 Parkside ave., Phila.

## Perfectile

The American Perfectile Co.,  
1526 Sansom st., Phila.

## Plaster.

J. B. King Co., Builders' Exchange, Phila.

## Plaster Board.

J. B. King Co., Builders' Exchange, Phila.

## Radiators.

H. B. Smith Co. 1225 Arch st., Phila.

## Ranges.

Henry M. Miller, 40 N. 2nd st., Phila.

## Refrigerators.

Henry M. Miller, 40 N. 2nd st., Phila.

## Roofing Slate.

C. F. Shellenberger,  
Builders' Exchange, Phila.  
Bangor Slate Co., Inc., Bangor, Pa.

## Roofing Slate (black and colored)

Wm. Moore Co.,  
Real Estate Trust Bldg., Phila.

## Roofing Tile.

C. F. Shellenberger,  
Builders' Exchange, Phila.  
O. W. Ketcham, Builders' Exchange, Phila.

## Real Estate and Mortgages.

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Betz Building, Phila.

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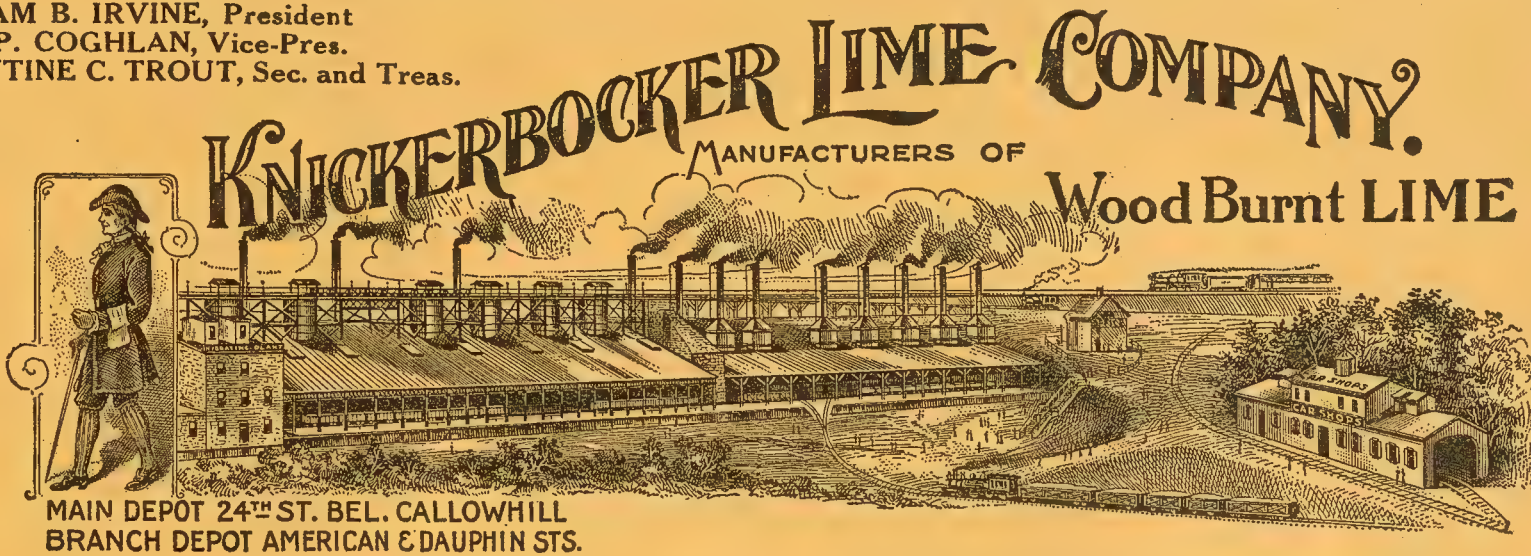
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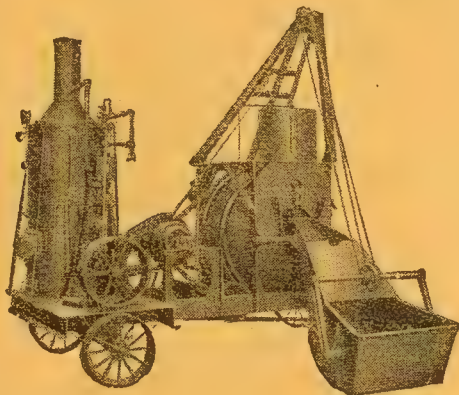
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Vol. XXVII., No. 34.

PHILADELPHIA, WEDNESDAY, AUGUST 21, 1912.

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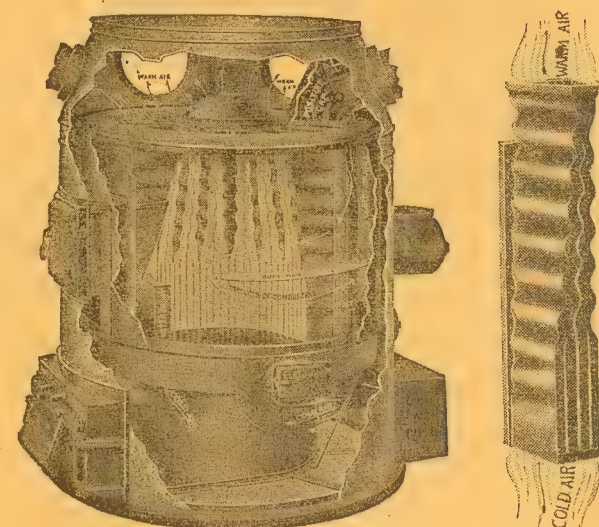
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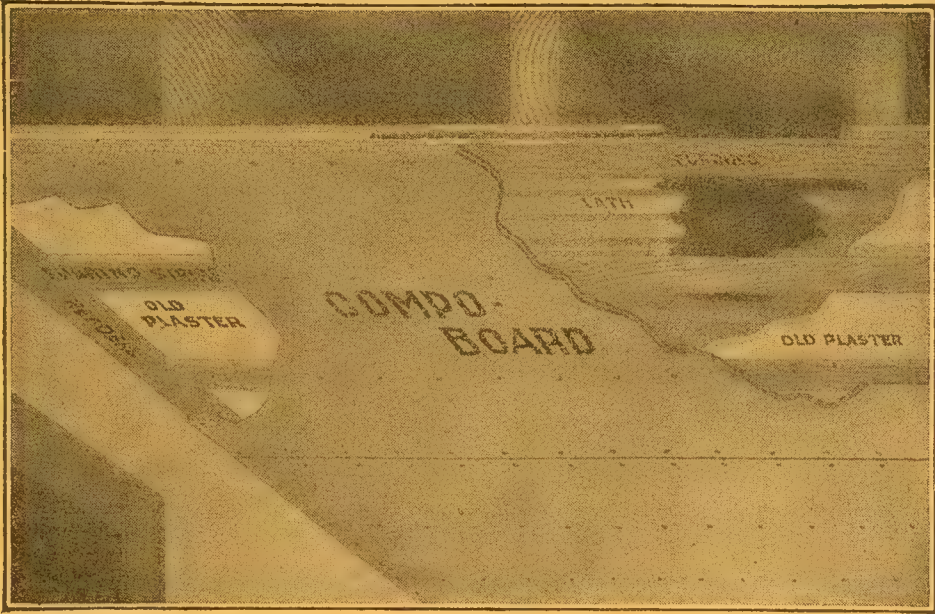
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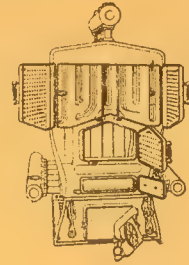
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Vol. XXVII., No. 34.

PHILADELPHIA, WEDNESDAY, AUGUST 21, 1912.

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## Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Residence**, Haverford, Pa. \$20,000. Architects, Mellvain & Roberts, Land Title Building. Owners, Grenville D. Montgomery, Morris Building. Stone and timber, two and one-half stories. Plans about completed. Architects soon to take bids.

**Store Building**, Easton, Pa. Architects, Martin & Kirkpatrick, 426 South Broad st. Owners, Bush & Bull, Easton, Pa. Brick, terra cotta, three stories, 80x240 feet, slag roof, steam heat, electric light, elevators. Architects taking bids due August 31. The following are figuring: William R. Dougherty, 1608 Sansom street; A. A. Bechtel, Easton, Pa.; A. E. Steimetz, Easton, Pa.; Beard Construction Company, Reading, Pa.; Ochs Construction Company, Allentown, Pa.; H. H. Burrell, 1204 Chancellor street; Mathews Construction Company, Princeton, N. J.

**Home Building**, Oakbourne, Pa. Architects, Bissell & Sinkler, Bailey Building. Owners, Pennsylvania Epileptic Hospital and Colony Farm. Hollow tile and plaster, one, two and three-story buildings, slate roof, electric light, steam heat. Consists of kitchen, Assembly Building and Women's Cottage. Architects taking bids due August 26. The following are figuring: Metzger & Wells, Heed Building; H. H. Burrell, 1204 Chancellor street, both of Philadelphia; J. M. Burns, W. H. Jones, D. S. Sullivan and P. E. Jeffries, of West Chester, Pa.

**Factory Building**, 4200 Wissahickon avenue. Architect, private plans. Owners, American Pulley Co., on premises. Concrete, 100x180 feet, wing, 50x80 feet. Owners taking bids on foundations. The following are figuring: J. G. Doak & Co., Crozer Bldg.; Wm. Steele & Son, 1600 Arch street; Vulcanite Paving Co., Land Title Building; Union Paving Co., Fidelity Bldg; J. Bechtel, 140 Fairmount avenue.

**Store Room and Paint Shop**, Eleventh and Wharton streets. Architects, Anderson and Haupt, Drexel Building. Owners, 44 Cigar Co., Eleventh and Washington avenue. Brick, two stories, 30x107 feet, slag roof. Architects have received bids.

**Office Building**, Palmerton, Pa. Architect, Chester A. Patterson, New Rochelle, N. Y. Owners, N. J. Zinc Co. of Pa., 55 Wall street, N. Y. City. Brick, limestone trimmings, Roebbling system of fireproof floors, three stories, 73x44 feet, slag roof, steam heating, electric lighting. Owners taking bids

due August 22. James G. Doak Co., Crozer Building, are figuring.

**Residence** (alt. and add.), 5833 Thomas avenue, Sherwood, Pa. Architect, W. L. Blithe, 608 Chestnut street. Owner, Victor Frings, Thirty-second and Market streets. Stone and brick, three stories, slate roof, electric light. Plans in progress.

**Store House**, Thirty-first and Ludlow streets. Architect, W. L. Blithe, 608 Chestnut street. Owner, J. T. Pugh, Thirty-first and Ludlow streets. Brick, one story, 45x55 feet, slag roof. Plans about completed.

**Telephone Exchange and Office Building**, Broad and Rockland streets. Architect, J. T. Windrim, Twelfth and Chestnut streets. Owners, Bell Telephone Co., Thirteenth and Arch streets. Brick and terra-cotta, limestone trimmings, fireproof, three stories, 45x80 feet, steam heat, electric light, slag roof. Architect taking bids due August 23. The following are figuring: J. Myers & Sons, Witherspoon Building; B. Ketcham's Sons, 1029 Brown street; F. W. Van Loon, Denckla Building.

**Sunday School**, Fox Chase, Pa. Architect, W. L. Blithe, 608 Chestnut street. Owner, Fox Chase Memorial P. E. Church. Stone, one story, 63x38 feet, slate roof, steam heating. Architect taking revised bids due August 21. Thos. C. Trafford, 1613 Sansom street, is figuring.

**Moving Picture Theatre**, Sixty-second and Woodland avenue. Architect, John I. Bright, 1701 Chestnut street. Owner, Chas. E. Fitcher, 693\$ Paschall avenue. Brick, one story, 85x123 feet, slag roof, steam heating, electric lighting. Architect taking bids due September 3. The following are figuring: H. L. Brown, 1714 Sansom street; W. E. Dotta, 148 North Second street; J. G. Doak & Co., Crozer Building; Sax & Abbott, Hale Building; Metzger & Wells, Heed Building; E. J. Kreitzburg, 1345 Arch street; Irwin & Leighton, 126 North Twelfth street.

**Residence**, Ardmore, Pa. \$8,000. Architect, Frank Seeburger, Pennsylvania Building. Owner, John M. Keim, 923 Chestnut street. Stone and plaster, two and one-half stories, 38x45 feet, 2 bath rooms, hot water heating, electric lighting, oak floors. Architect taking bids due August 21. The following are figuring: Metzger & Wells, Heed Building; A. L. Fretz & Son, 1222 Chancellor street; Carvan Construction Co., 5243 Irving

street; John E. Kearney, 327 North Sixty-third street; J. P. Thompson, 1423 South Penn Square, Mowrer Bros., Merion, Pa.

**Residence**, Chestnut Hill, Pa. Architects, Brookie & Hastings, 1713 Sansom street. Owner, Wm. H. Trotter, 36 North Front street. Stone, three stories, 97x40 feet, shingle roof, hot air heating, electric lighting, hardwood floors. Architect taking bids due August 23. The following are figuring: J. Sims Wilson Co., 1125 Brown street; Wm. J. Gruhler Co., 219 E. High street; Geo. S. Roth & Sons, 230 E. Gravers Lane; Samuel Harting, 20 E. Johnson street; David McCork, Flourtown, Pa.

**Home**, Byberry, Pa. Architect, Philip H. Johnson, Land Title Building. Owners, City of Philadelphia, care Dr. J. S. Neff, Department of Public Health and Charities. Brick, stone and steel, fireproof, two stories, slate roof, electric light, steam heat. Plans completed. Architect ready for bids.

**Farm Buildings**, Chestnut Hill, Pa. Architects, Karcher & Smith, Crozer Building. Owner, Chas. Le Boutilier Homer, North American Building. Brick, one and two stories, shingle and tile roof, electric light, vapor vacuum heat. Architect taking bids due August 22d. The following are figuring: Wm. R. Dougherty, 1608 Sansom street; J. Sims Wilson, 1125 Brown street; H. E. Grau Co., 1707 Sansom street; Doyle & Co., 1519 Sansom street; W. J. Gruhler, 219 High street.

**Subway Entrance**, 1027 Market street. Architects, Stearns & Castor, Stephen Girard Building. Owners, Berg Bros., 1027 Market street. Brick, steel and glass, electric light. Architects have received bids.

**Residence** (alt. and add.), Oak Lane, Pa. Architects, Ballinger & Perrot, 1211 Arch street. Owner, Leo Niessen, Twelfth and Race streets. Stone and frame, two stories, electric light, hot water heat, entire plant. Architects taking bids due August 23. The following are figuring: H. H. Burrell, 1204 Chancellor street; W. R. Brown, 2145 East Fifth street; A. R. Raff, 1635 Thompson St.; Thos. Quin, Ogontz, Pa.; Henry Specht, Willow Grove, Pa.; J. H. Dagney, Oak Lane, Pa.

**Store and Residence** (alt. and add.), 3063 Kensington avenue. Architects, Milligan & Pierson, 520 Walnut street. Owner, C. Carroll, 3063 Kensington avenue. Brick, three stories, slag roof, hot water heat, electric light. Plans in progress. Architects will take bids in one week.



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**Residence**, Chestnut Hill, Philadelphia. Architects, Karcher & Smith, Croder Building. Owner, Chas. Le Boutilier Homer, North American Building. Stone, three stories, slate roof, electric lighting, vapor vacuum heat, hardwood floors. Plans about completed. Architects will take bids in about three weeks.

**Club** (alt. and add.), 1314 North Broad street. Architect, George V. Rehfuß, 1524 Chestnut street. Owners, Moose Club, care Mr. Meenehan, Fourth and Vine streets. Brick, three stories, tin roof, electric lighting, hot air heat, reserved. Owners taking bids.

**Residence** (alt. and add.), Wynnewood, Pa. Architects, Magaziner & Potter, 137 South Fifth street. Owners, Thos. Beaver Browne, Pennsylvania Building. Consists of alterations and additions. Architects taking bids due August 21. The following are figuring: Gray Bros., Rosemont, Pa.; W. H. Roberts, Stazey Reeves & Sons, 1609 Filbert street.

**Residence**, 1449 East Montgomery avenue. Architect, C. E. Rahn, 410 Walnut street.

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Owner, Mrs. Emma H. Weber, 1447 E. Montgomery avenue. Brick, two and one-half stories, 62x16 feet, electric lighting, hot water heating, slag roof. Owner has received bids.

**Settlement House** (remodelling), 1235 Pine street. Architect, L. B. Rothchild, Bulletin Building. Owners, Edwin & Fleisher, 2220 Green street. Brick, three stories, steam heating, electric lighting. Architect has received bids.

**Theatre**, Providence, R. I. \$100,000. Architect, Albert E. Westover, Keith Building. Owner, B. F. Keith, N. Y. City. Brick, stone, terra-cotta and steel, fireproof, two stories, slag roof, steam heating, electric lighting. Plans in progress. Architect will take bids in about one month.

**Residence** (alt. and add.), Bouvier and Shunk streets. Architects, Magaziner & Potter, 137 South Fifth street. Owner, Mrs. E. Smith, on premises. Brick, two stories, electric light, slag roof (heat reserved). Architects taking bids, due August 24th. The following are figuring: Charles C. Pace, 1716 Sansom street; W. J. McAdams, 1815 South Eighteenth street; Otto Malz, 503 West Norris street; E. P. Marble, 2612 South Colorado street.

**Club House**, Lancaster, Pa. Architects, Magaziner & Potter, 137 South Fifth street. Owners, Lancaster Country Club. Stone and plaster, two stories, 46x120 feet, shingle roof, electric lighting. Plans in progress.

**Residences** (66), Marcus Hook, Pa. Architects, Ballinger & Perrot, 1211 Arch street. Owners, American Viscose Company, Marcus Hook, Pa. Brick, two and one-half stories, 24x33 feet. Slate roof, electric light, hot air heat. Architects taking revised bids, due August 22nd. H. Brocklehurst, 512 West Norris street, and William Provost, Chester, Pa.

**Residence**, Lansdowne, Pa. Architects, Heacock & Hokanson, Bailey Building. Owner, Thomas M. Longcope, Lansdowne, Pa. Plaster, three stories 30x50 feet. Shingle roof, electric lighting, hardwood floors, hot air heating. Architects taking bids, due August 26th. The following are figuring: F. B. Davis, 37 South Seventeenth street, Philadelphia, and the following of Lansdowne, Pa.: William C. Schuster, Charles T. Moore, James

Lowden, R. H. Anderson, James Ingram and George Riley.

**Cottage**, Cape May, N. J. Architects, Brookie & Hastings, 1713 Sansom street. Owner, William N. Morice, Water and Tasker streets. Shingle, three stories, 88x40 feet. Shingle roof, three bath rooms. Architects taking bids, due August 26th. The following are figuring: Metzger & Wells, Heed Building; F. B. Davis, 35 South Seventeenth street; Pomeroy Construction Company, 1609 Ranstead street.

**Telephone Exchange**, Broad and Rockland streets. Architect, J. T. Windrim, Twelfth and Chestnut streets. Owners, Bell Telephone Company, Thirteenth and Arch streets. Brick and terra cotta, limestone trimmings, fireproof, three stories, 45x80 feet, steam heat, electric light, slag roof. Architect taking bids, due August 29th. Note change in list of bidders figuring: J. Myers & Sons, Witherpoon Building; B. Ketcham's Sons, 1029 Brown street; F. W. Van Loon, Denckla Building; Charles McCaul Company, Tenth and Sansom streets, and Cramp & Co., Denckla Building.

**Church** (alts.), Seventh street and Montgomery avenue. Architects, Heacock & Hokanson, Bailey Building. Owners, St. Luke's Lutheran Church, Rev. John W. Horine, 1909 North Twelfth street. Stone, one story, 67x80 feet. Slag roof, electric light (heat reserved). Architects taking bids. The following are figuring: F. B. Davis, 35 South Seventeenth street; William H. Eddleman, 453 Green Lane; F. A. Havens & Co., 845 North Nineteenth street; A. Raymond Raff, 1635 Thompson street; George L. Sipps, 907 Locust street; Frank I. Wintz, 1618 North Twenty-seventh street.

**School**, Montclair, N. J. Architect, J. G. Rogers, 11 East Twenty-fourth street, New York City. Owners, Board of Education, Montclair, N. J. Brick and terra cotta, three stories, 126x138 feet, maple uoors, slag roof, electric light, steam heat, six toilet rooms. Owners taking bids (revised), due August 28th. A Bottoms' Sons Company, 41 South Fifteenth street, are figuring.

**Factory** (alt), American and Dauphin streets, \$15,000. Architects, William Steele & Sons, 1600 Arch street. Owners, A. Cox Stove Company, on premises. Brick, four stories, electric lighting. Plans in progress. Architects will take sub-bids.

## Contracts Awarded

**Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.**

**Store Building**, Easton, Pa. Architect, Benj. Rush Stevens, 1727 Filbert street. Owners, Pomfret Realty Co., Easton, Pa. Stone and Brick, two stories, 93x170 feet, slag and tile roof, elevators, steam heat, electric light. Contract awarded to F. J. Lerch & Co., Easton, Pa.

**Stores** (alt. and add.), 232-34 Market St. Architects, Sauer & Hahn, 112 Chestnut St. Owners, L. H. Parke & Co., 232 Market St. Brick, interior alteration and additions. Con-

tract awarded to Jas. Johnson, 1721 Ludlow Street.

**School** (alt. and add.), Jenkintown, Pa. Architects, Watson & Huckel, 1309 Walnut street. Owner, Immaculate Conception R. C. Church. Brick, three stories, slag roof, electric light, capor heat. Contract awarded to Henry Specht, Willow Grove, Pa.

**Library** (alt. and add.), Sixth and Lehigh avenue. Architects, Hewitt Granger & Paist, Bullit Building. Owner, Free Library of



1902

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1912

## LIGHTING FIXTURES

Telephones:  
Bell, Poplar 23-93  
Keystone, Race 25-70

DESIGNS AND ESTIMATES FURNISHED

435-37 N. Broad Street, Philadelphia

Philadelphia, Thirteenth and Locust streets. Brick and stone, two stories, electric light. Contract awarded to Thos. Little & Sons, 1616 Sansom street.

**Factory, (alts.),** Nineteenth and Allegheny avenue. Architects, Harris & Richards, Drexel Building. Owner, Electric Storage Battery Co., on premises. Consists of general alterations, concrete and steel. Contract awarded to Chas. McCaul Co., Tenth and Sansom streets.

**Morgue and Laboratory,** Second and Luzerne streets. Architect, Philip Johnson, Land Title Building. Owners, City of Philadelphia, Department of Public Health and Charities, care Dr. J. S. Neff, City Hall. Brick, two stories, slate roof, electric light. Bids were opened as follows: P. J. Hurley, 1233 Cherry street, \$40,500; J. W. Emery, 1524 Sansom street, \$41,983; J. G. Doak & Co., Crozer Building, \$43,496; W. E. Dotts, 148 North Second street, \$44,111; F. Roe Searing, Perry Building, \$46,700; Sax & Abbott, Hale Building, \$46,911; Mitchell Bros., 2125 Race street, \$46,920; H. H. Wehmeyer, 1004 West Lehigh avenue, \$51,000.

**Chapel Building,** Germantown, Philadelphia. Architect, Stanford B. Lewis, Builders' Exchange. Owners, Italian Presbyterian Mission, 329 Price street. Brick, plaster, limestone trimmings, 35x75 feet, tile roof, electric light, steam heat. Contract awarded to Oliver & Hollingsworth, 6039 Delancey street.

**Store and Residence,** southeast corner Main and Grape streets. Architects, Durham Bros.,

Heed Building. Owner, Sigmund Kline, on premises. Brick, three stories. Contract awarded to Wm. H. Eddleman, 453 Green Lane, Roxborough, Pa.

**Church,** Pleasantville, N. J. \$21,000. Architect, Geo. E. Savage, Witherspoon Building. Owner, Salem M. E. Church, Pleasantville, N. J. Stone, one story, slate roof, steam heating. Contract awarded to James Pasquale, Vineland, N. J.

**School,** Crum Lynne, Pa. Architects Seymour and Paul A. Davis, 1713 Sansom street. Owner, Board of Education, Crum Lynne, Pa. Brick, two stories, 66x34 feet, slate roof, hot air heating, electric lighting. Contract awarded to H. Lewis Morris, Chester, Pa. Architect, private plans. Owners, Ursinus College, Collegeville, Pa. Stone, one story, 42x102 feet, slag roof. Contract awarded to A. Whitehead, 1624 Latimer street.

**Freight Station,** Gettysburg, Pa. Engineer, Philadelphia and Reading Railway Co. Brick, one story, slag and slate roof. Contract awarded to Beard Construction Co., Colonial Trust Building, Reading, Pa.

**Residence,** St. Davids, Pa. \$15,000. Architect, George E. Savage, Witherspoon Building. Owner, Mrs. Thomas May Peirce, Jr., Wayne, Pa. Plaster, three stories, 32x60 feet, shingle roof, electric lighting, four bath rooms, heating and plumbing reserved. Contract awarded to Gray Bros., Rosemont, Pa.

**Y. M. C. A.,** 1007 to 1013 Lehigh avenue. \$200,000. Architect, Horace Trumbauer,

Land Title Building. Owner, Kensington Branch Y. M. C. A., on premises. Brick, terra-cotta and steel, four stories, 100x200 feet, slag roof (heating, plumbing and electrical work, reserved). Contract awarded to Roydhouse-Arey Co., Fidelity Building.

**Dairy Building (alt. and add.),** Thirty-first and Ludlow streets. Architect, Walter Smedley, Stephen Girard Building. Owners, Abbott Alderney Dairies, on premises. Brick, fireproof, steel, three stories, slag roof, steam heat, electric light. Contract awarded to Cramp & Co., Denckla Building.

**Residence,** Ardmore, Pa. Architects, Evans, Warner & Register, Witherspoon Building. Owner, Edmund C. Evans, Witherspoon Building. Stone and hollow tile, two and one-half stories, shingle roof (plumbing, heating and electric lighting reserved). Contract awarded to Gray Bros., Rosemont, Pa.

**School,** Chester, Pa. Architects, Seymour & Paul A. Davis, 1713 Sansom street. Owners, Board of Education, Chester, Pa. Brick, three stories, 160x80 feet. Slate roof, steam heat, two toilet rooms. Contract awarded to H. Lewis Morris, Chester, Pa.

**Bungalow,** Hammonton, N. J. Architect, B. Lackey, 1433 Chestnut street. Owner, Anna F. Lackey, care of architect. Plaster, one story, 30x40 feet, shingle roof, electric light, steam heat. Contract awarded to Harry Nicoli, Hammonton, N. J.

**Home (alt.),** Kennett, Pa. Architects, Heacock & Hokanson, Bailey Building. Owners, Friends' Home, Kennett, Pa. Brick, three stories, 46x31 feet. Slate roof, electric light, steam heat. Contract awarded to Thomas F. Grady, Kennett Square, Pa.

**Factory (add.),** Twentieth and Market streets. \$1,600. Architect, private plans. Owner, Alexander Molfington, Twentieth and Market streets. Brick, four stories, slag roof, electric light. Contract awarded to Stacey Reeves & Sons, 1609 Filbert street.

## Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Holton Dyeing & Finishing Co. (O), 2712 Jasper street. Geo. H. Thirsk (C), 4413 Frankford avenue. Cost, \$35,000. Manufacturing, brick, five stories, 65x146 feet, 2712 Jasper street.

C. D. Laud (O), Twenty-eighth and Cambria streets. Cost, \$4,000. Two dwellings, brick, two stories, 15x38 feet. Cost, \$2,000. One dwelling. Cost, \$2,000. One dwelling, Chalmers and Lehigh avenue.

W. Fischer (O), 3621 North Fifth street. Cost, \$34,000. Twenty dwellings, brick, two stories, 15x62 feet. Cost, \$2,500. One store and dwelling. Franklin street and Hunting Park avenue.

Reformed Church of Oak Lane, Oak Lane, Pa. J. Morrow, 5905 North Twelfth street. Cost, \$5,500. Dwelling, stone, three stories, 34x38 feet.

W. H. Hensel (O), Philadelphia. F. Elvidge & Son (C), 5522 Germantown avenue. Cost, \$17,000. Dwelling, stone, three stories, 32x56 feet, Roumfort avenue and Ardleigh street.

Wm. Van Kort (O), 5623 Wyalusing avenue. D. Crawford, Jr., 1829 Land Title Building. Cost, \$600. Garage, brick, one story, 12x16 feet.

Loughlin Lenus (O), 3751 North Fifth street. Cort, \$4,000. Two dwellings, brick, two stories, 16x49 feet, Fourth and Duncannon avenue.

C. Kelly (O), 312 West Seymour street. Cost, \$8,000. Four dwellings, brick, two stories, 15x30 feet, Richmond and Plum streets. Cost, \$2,800. One dwelling.

Women's Homeopathic Hospital (O), Twentieth and Susquehanna avenue. Philip Hainbach Contracting Co. (C), 2530 Thompson street. Cost, \$23,000. Home, brick, three stories, 80x44 feet, Twentieth and Susquehanna avenue.

H. H. Hall (O), 5302 Lancaster avenue. J. F. Wolf (C), 717 North Fortieth street. Cost, \$14,000. Dwelling, stone, three stories, 22x38 feet. Wynnefield, Pa.

Peter Reingreuber (O), 4415 North Third street. W. Miller (C), 4320 North Third street. Cost, \$2,000. Dwelling, brick, two stories, 16x32 feet, Loudon and Paethrop streets.

Buick & Co. (O), 125 North Fifth street. H. C. Rea (C), 1027 Wood street. Cost, \$15,000. Factory, brick, two stories, 24x85 feet, Filbert and Cuthberton streets.

C. A. Schuler (O), 1342 Wagner avenue.

Cost, \$3,000. Store and dwelling, brick, two stories, 16x50 feet. Cost, \$25,000. Ten dwellings, 1501 Loudon street.

E. L. C. Haggerty (O), 1023 Ellsworth street. Geo. F. Heath (C), 3118 South Eighty-seventh street. Cost, \$1,600. One dwelling, brick, two stories, 16x36 feet, Eighty-seventh and Fairview avenue.

L. W. Ewing (O), 6420 Lawndale avenue. R. A. Ewing (C), 3190 Tulip street. Cost, \$4,000. Dwelling, stone, three stories, 31x31 feet, Gilham and Oakling streets.

Wm. Whittaker (O), 2819 D street. Cunningham & Bartholomew (C), 4336 Paul St. Cost, \$2,000. Dwelling, brick, two stories, 14x40 feet, Benner and Keystone streets.

F. C. Michaelson (O), Land Title Building. Cost, \$7,500. Store and apartments. Peach street and Fifty-fourth and Lansdowne avenue.

M. Krowitz (O), 624 Tasker street. Cost, \$3,000. Store and dwelling, brick, three stories, 16x31 feet. 1025 Moyamensing avenue.

F. A. Myers (O), 2004 Tioga street. W. F. Smith (C), Broad and Arch streets. Cost, \$5,000. Two dwellings, brick, three stories, 16x60 feet, Twentieth and Tioga streets.

Samuel Shoemaker (O), 1831 Land Title Building. Cost, \$300,000. Apartment house, brick, four stories, 69x127 feet, Wayne avenue and School Lane.

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## Alterations and Additions

Yoskin & Shefren (O), Seventy-seventh and Brewster avenue. Cost, \$8,000. Four dwellings, brick, two stories, 14x38 feet. Seventy-eighth and Laycock avenue.

J. T. Stewart (O), Fourth and Pine streets. Louis Cohen (C), 417 Christian street. Cost, \$2,000. Dwelling, 605-07 South Sixtieth St.

Robert Cursy (O), 3918 Germantown avenue. J. J. Hurley (C), 506 E. Montgomery avenue. Cost, \$3,400. Dwelling, brick, two stories, 16x44 feet, Rector street.

F. A. Myers (O), 2004 Tioga street. W. F. Smith (C), Broad and Arch streets. Cost, \$8,700. Three dwellings, brick, two stories, 15x33 feet, Twentieth and Atlanta avenue.

Jacob Rottman (O), 1937 South Sixth St. Cost, \$5,000. Dwelling, brick, three stories, 16x58 feet, Seventh and Winch streets.

Fretz Realty Co. (O), 1015 Diamond street. W. Easterbrook (C), 519 Commerce street. Cost, \$9,000. Stable, brick, two stories, 32x90 feet, Tenth and Diamond streets. Cost, \$5,000. Coal pocket.

Mary Hebard (O), Germantown avenue and Bell Mill Road. T. M. Seeds (C), 1207 Race street. Cost, \$2,500. Stable and garage.

J. E. Flynn (O), 4600 Stenton avenue. Cost, \$1,000. Well.

St. James the Less Church (O), Hunting Park avenue. Wm. R. Dougherty (C), 1608 Sansom street. Cost, \$3,000. Church.

Geo. I. Bodine (O), Chestnut Hill, Pa. Cost, \$1,500. Wall.

Mary Peck (O), 4742 Market street. W. C. Scull (C), 6012 Market street. Cost, \$1,350. Dwelling and store.

J. C. Moore (O), 141 North Fiftieth street. Cost, \$1,000. Dwelling, 703 to 747 North Markoe street.

Frank Mair (O), Waterloo and Cumberland streets. H. H. Wehmeyer (C), 1004 Lehigh avenue. Cost, \$1,500. Stable.

Edith Benham (O), 5139 Pine street. F. C. Borie (C), 5146 Market street. Cost, \$2,000. Store and dwelling, 252-54 North Fifty-second street.

F. H. Rinker (O), 416 North Coulter street. Cost, \$850. Garage, 416 North Coulter St. M. C. Seibel (O), 1712 Walnut street. J. N. Gill Co., Heed Building. Cost, \$2,000. Work room.

Blum Brothers (O), Tenth and Market streets. J. G. Doak & Co. (C), Crozer Building. Cost, \$11,500. Store, Tenth and Market streets.

Morris Orlontz (O), 844 Christian street. Cost, \$900. Store and dwelling, 846 Christian street.

L. H. Parke Co. (O), 12 Banks street. J. H. Johnson (C), 1721 Ludlow street. Cost, \$2,500. Store.

Geo. Abbott (O), Thirty-first and Ludlow streets. Cramp & Co (C), Denckla Building. Cost \$40,000. Dairy, Thirty-first and Ludlow streets.

Mrs. E. P. Albrecht (O), 2347 North Twenty-ninth street. I. K. Davis (C), Hale Building. Cost, \$1,250. Dwelling, 2542 West Lehigh avenue.

Pennsylvania Rivet Co. (O), Eleventh and Cambria streets. Lam Building Co. (C), 1001

Wood street. Cost, \$8,000. Factory, Eleventh and Cambria streets.

H. M. Howe (O), 1620 Locust street. F. W. Allison (C), 1710 Rittenhouse street. Cost, \$1,700. Dwelling, 2042 Rittenhouse street.

David Welsh (O), 1327 Point Preeze avenue. Frank & Kaiser (C), 1522 South Sixth street. Cost, \$3,500. Store and dwellings. Cost, \$600. Store and dwelling.

Wm. J. Faux (O), Harrison Building. W. J. Gruhler (C), 219 High street. Cost, \$8,000. Dwelling, 6024 Wayne avenue.

F. E. Doerner (O), 205 Callowhill street. H. C. Dahl (C), 231 South Eighth street. Cost, \$1,500. Store, 202 Callowhill street.

Mrs. C. McClure (O), 1828 Spruce street. G. W. Grover (C), Morton, Pa. Cost, \$1,900. Dwelling.

Aaron Rubin (O), Second and Race streets. S. Krovotzky (C), 735 Morris streets. Cost, \$7,350. Stores and dwellings, 1413-15-17-19-21-23-25 Point Breeze avenue.

Laura Hauber (O), Wissahickon avenue and Johnson street. I. T. Shoemaker (C), 24 South Seventeenth street. Cost, \$1,000. Residence.

Thomas Griffin (O), 3801 Lancaster avenue. C. W. MacDowell (C), 1927 Montgomery avenue. Cost, \$1,460. Store and dwelling.

D. C. Feeler (O), Broad and Diamond Sts. G. J. Reich (C), 1112 Loudon street. Cost, \$1,500. Store, Broad and Cumberland Sts.

W. B. Hill (O), 1033 Chestnut street. S. Yellin (C), 616 North Seventh street. Cost, \$1,500. Store and dwelling, 822 North Second street.

Arthur Peterson (O), 5924 Woodbine avenue. M. W. Young (C), Overbrook, Pa. Cost, \$2,200. Dwelling, 5950 Drexel Road.

Kertz Bros. (O), Ninth and Catharine streets. F. P. Dillon (C), 1223 South Twentieth St. Cost, \$4,300. Store and dwelling.

Max M. Sladkin (O), 827 Arch street. Geo. Hogg (C), 1634 Sansom street. Cost, \$6,000. Stores, Ninth and Arch streets.

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'Stead o' pessimistic brayin',  
Jine the hallelujah song!  
Drop yer hammer—do some rootin'—  
Grab a horn, you cuss, and split  
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An' boost  
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**NEW YORK SCHOOL BUILDING CRITICISED**

A report of the condition of the public school buildings in New York City, covering both their construction and their mechanical equipment, made by Charles G. Armstrong, consulting engineer, to a committee on school inquiry of the Board of Estimate and Apportionment, is critical to a degree of the practice of the chief architect's and designing engineers' offices. Fifty-six school buildings were investigated. The report contains tabulated data regarding each school, accompanied by photographs illustrating the principal points brought out.

As a result of the investigation and report, the Board of Estimate has appropriated \$10,000 as a demonstration fund to be used by Mr. Armstrong in testing his recommendations. It is proposed to equip two or three schools immediately with the necessary apparatus to try out the various plans mentioned in the report with special reference to fuel economy.

The conditions found in the school buildings are summarized by Mr. Armstrong as follows:

**Conditions Found in Public School Buildings.**

1. Inefficient and inadequate mechanical design.
2. Unnecessarily high coal expenses and lack of proper records.
3. Antiquated and wasteful heating systems.
4. Poorly designed and improper ventilating systems.
5. Antiquated and unsanitary methods of cleaning.
6. Totally inadequate fire protection.
7. Lack of proper control over the operating forces.
8. Unnecessarily high architectural expenses.
9. An inefficient and too numerous corps of inspectors and supervisors.
10. Financial losses due to improper letting of electrical contracts.
11. The present seating capacity of the schools is by no means utilized to its fullest extent.

Among the improvements recommended are:

**Improvements Recommended.**

Wherever possible, consolidate and centralize the now badly scattered boiler plants.

Provide means whereby a less expensive grade of coal may be used and better consumption assured; also provide proper system of making and keeping records.

Improve all heating systems so that the

amount of steam generated may be used, while, at the same time, conserving and more fully utilizing the amount of coal burned.

Immediately provide adequate ventilation by installing proper air washing and conditioning apparatus.

Eliminate, as far as possible, disease germs and other filth by the use of modern vacuum cleaning systems.

Radically reorganize the designing, operating and purchasing departments.

Reduce the number and improve the personnel of the inspecting and supervising corps.

Reduce electric lighting expenses either by obtaining from the public service companies the same rate which is given to private consumers, or, failing in that, manufacture current on the premises.

Going at length into the condition of the heating systems, the report states that "the heating systems in general are poorly designed. Nearly all the schools have a mixture of various systems; some good and some poor, and, generally, all are of an antiquated pattern. The system most employed consists of separate return lines from each radiator to the basement, and is a wasteful and expensive method of installation. A good economical and modern vacuum system should be installed in all cases."

Commenting on the temperature control systems now employed, the report approves them and states that they should be extended to all school buildings heated by steam and to all sections of same.

With regard to ventilation, the report says: "Public opinion is at present greatly aroused on this subject. The widespread discussion and criticism of the method of ventilation now in vogue in the school buildings are timely and pertinent. The question is a vital one and the present systems of ventilation are, in most instances, so faulty and antiquated as to be a direct menace to pupils and teachers. Practically every known system of ventilation and heating may be found in the schools of New York, yet only in one building did we find modern methods in use."

The principal faults in this connection were found to be, according to the report, forcing dust-laden air into the class rooms, and the lack of proper humidifying apparatus.

"The continuation of these defects," adds Mr. Armstrong, "has created a condition which has justly aroused distrust in the minds

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of the teachers and called forth merited criticism from the general public."

The subject is described as so vast and important that it has been treated in a separate report by Mr. Armstrong which has not been made public at this writing.

Under cleaning, the report states that "while the school buildings in the main are fairly well cleaned, yet the present methods are antiquated and unhygienic. The modern sanitary vacuum cleaning process should be employed and the old-fashioned broom and duster relegated to the scrap heap."

**Possible Coal Saving.**

During the past year 105,000 tons of coal were burned, as follows:



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An advertisement should stick out like a sore thumb without being so sensitive.—  
"Novelty News."

Broken coal ..... 73,335 tons  
Egg coal ..... 485 tons  
Stove coal ..... 1,260 tons  
Pea coal ..... 9,820 tons  
No. 1 Buckwheat ..... 20,000 tons

"Of this coal," says the report, "a large percentage can be changed to Buckwheat 3, effecting a saving in cost between that and the former quality of coal. This saving can be accomplished by the installation of a 'controlled draft' apparatus and by the alteration of grates to accommodate the finer size of coal. It is estimated that an annual saving in coal cost of about \$295,000 will result from the adoption of the above recommendations. The cost of this apparatus complete would be in the approximate neighborhood of \$2,500 or \$3,000 per school building.

**Would Limit Architect's Jurisdiction.**

One remedy proposed in the report for improving the efficiency of the building department is separation of the duties devolving upon the architect and the designing engineers. "Architects," it is stated, "should have full charge of the design of buildings, but the mechanical features of the plants, viz., plumbing, heating, ventilating, etc., should be under the absolute control of an engineer of recognized ability and standing."

**Estimated Savings.**

Taking up the estimated savings in detail the report gives the following as some of the more important that can be effected:

Changes in method and quality of coal burned and more efficient use of the steam thus generated, saving per annum over present Reorganization of inspection and designing section section of engineering bureau ..... 142,527.00  
Saving in electrical costs, due to substitution of wholesale contract for retail contract ..... 95,470.41  
(A possible additional saving of \$54,211.75 could be made by the use of high tension contracts, such as are being offered to private consumers.)

Saving due to use of modern lamps using 1¼ watts per candle instead of the present antiquated lamps using 2½ to 4 watts per candle, at least 50 per cent., after deducting motor current.. 42,925.00

Total ..... \$630,922.41

Although the report is intended to be a statement of conditions as found and of remedies proposed, without going into the question of the causes for the trouble, yet, as far as the operating engineers are concerned, Mr. Armstrong takes occasion to say that "very little fault can be found with the engineers and janitors when one considers the plants they are asked to operate. No meters, except here and there a water meter, no scales, no reports, and, above all, no competent instructors to teach them how to fire a boiler, how to get the most and best ser-

vice out of their plants. The present method of issuing a 'book of rules' is not the proper method of procedure, as each plant differs from the other in character and method of operation. No rigid set of rules can ever take the place of kindly, intelligent and personal instruction."

An analysis made by Mr. Armstrong of the rates for electric current paid by the Department of Education makes the average rate over 6 cents per kilowatt. Mr. Armstrong's recommendations would mean a cutting of this price to not over 2 cents or, at the most, 3 cents per kilowatt.

**SPACE FOR A SMILE.**

Casey decided to go into contracting; so he bought out a small shop, and had a painter make a sign for him showing him astride a mule. He had this sign placed in front of the shop, and was quite proud of it. His friend Finnigan happened along, and stood gazing at the sign.

"That's a good picture of me' ain't it?" asked Casey.

"Sure it looks something like you," said Finnigan, "but who the divil is the man on your back?"

\* \* \*

Teacher (to dull boy in mathematics)—  
"You should be ashamed of yourself. Why, at your age George Washington was a surveyor."

Pupil—"Yes, sure; and at your age he was President of the United States."

\* \* \*

A hatchet and saw hand had worked on the job from dawn until darkness, doing odd jobs by lantern light. "I'm going to quit," he said to the builder, at the end of the month. "You promised me a steady job."

"Well, haven't you got one?" was the astonished reply.

"No," said the man, "there are three or four hours every night that I don't have anything to do and fool away my time sleeping."

\* \* \*

A local contractor was dictating a letter to his stenographer.

"Tell Mr. Soandso," he ordered, "that I will meet him in Schenectady."

"How do you spell Schenectady?" asked the stenographer.

"Sch—, S-c-e-r-e-r—Tell him I'll meet him in Albany."

\* \* \*

A paint manufacturer recently received the following letter: "Gentlemen: Will you please send us some of your striped paint. We want just enough for one barber pole."—  
Southern Textile Bulletin.

**AN EPITAPH.**

Here lies the remains of Jonathan Wise,  
Who all his days schemed to devise  
A way to reap fortune's golden prize,  
And failed, 'cause he wouldn't advertise.



## SOME NOTES ON ESSENTIAL DETAILS IN DEPOSITING CONCRETE

Depositing concrete after mixing is a very important step in concrete work, and to secure the best results, the following points should be thoroughly observed, writes R. N. Maxwell in "Concrete-Cement Age:"

### Preliminary.

1. The excavation for all foundations, footings, and bearing walls should be carried down to a hard firm sub-stratum and to original ground if possible, and brought to a horizontal plane, or if necessary, horizontally stepped off to prevent sliding of the superstructure and to reduce settlement to the minimum. The excavation should be free from loose earth, insecure or spongy matter, sewage, contaminated water and refuse.

(a) Where formwork is used, it should be practically watertight, cleaned out, well sprinkled with water and secure against bulging, and should be thoroughly braced to prevent being misplaced by the shaking and jarring incident to concreting.

(b) If the concrete is deposited directly upon other concrete, the surfaces of contact should be clean, free from oily matter, and should be rough and well grouted to secure a good bond for the new work. All blocks of wood, shavings, saw-dust, rust, scales, locomotive cinders, and stray matter should be removed without fail, and extra care should be given to the first and last batches of concrete deposited in each day's work.

2. Reinforcing steel should be properly located and securely wired or fastened to prevent being misplaced. Reinforcement should be employed in the specified amounts and should not be crowded. The steel should be free from rust-scales, mud coatings, grease, oil and all matter likely to interfere with adhesion. A slight coating of rust on the steel is not objectionable providing the steel is not scaly.

3. Formwork and other materials that absorb water and all concrete surfaces of contact should be thoroughly wetted prior to concreting to prevent the absorption of the necessary water from the concrete being placed.

4. Concrete work should be thoroughly inspected, preferably by a representative of the owner or architect, previous to concreting as well as immediately after the removal of the forms. This inspection should include footings, foundations, forms, steel work and the various concrete joints.

5. All concrete ledges likely to be broken off by falling or other objects should be protected from injury.

### Depositing Concrete.

1. Concrete should never be thin enough in consistency, either in plain or reinforced concrete work, to allow quantities of water to collect or stand in the barrows or other receptacles on the concrete contained therein; but concrete in reinforced work should be somewhat thinner than in plain work, to allow the thinner portions of the concrete to flow around the steel reinforcement.

2. Concrete should always be deposited in bulk and never be allowed to scatter by falling great distances or by coming in contact with reinforcing steel or other intervening objects.

3. Concrete should never be placed in running water without protection from the washings thereof or allowed to come in contact while being deposited, with contaminated water, oils or strong alkalies.

4. Concrete should be deposited in relatively small quantities at a time, but these deposits should not be regarded as layers as usually spoken of in specifications. One lot having been deposited, thoroughly tamped and brought to a level, should, if possible, be followed up immediately with other concrete with no appreciable break.

5. All concrete whether of a wet or dry consistency should be thoroughly tamped, but a dry mixture requires somewhat more tamping than a wet mixture.

6. Those engaged in the tamping should not be changed about while concreting. Changing men about at this important stage not only shifts responsibility but increases the chance for honeycomb and inferior work.

7. Tapping the formwork gently on the outside, with a mallet or other device during concreting, lessens the danger of the formation of honeycomb, stone-pockets, air-bubbles and pin holes. This tapping must be done gently, however, to prevent the breaking out of the formwork which at such times is under great pressure.

8. Concrete should never be parred, shaken or disturbed for at least 12 hours after being placed in position, and if possible, more time should be allowed. Concrete after being placed should be protected from the hot sun and drying winds and should be kept

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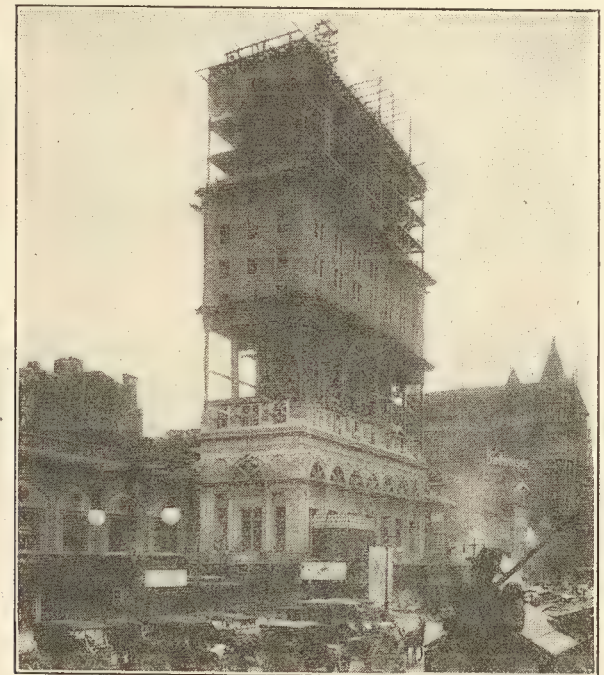
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thoroughly wet for several days or more to prevent rapid or unequal drying out.

9. Formwork should be allowed to remain around the members as long as possible, as this lessens the danger of accident, sagging horizontal members and of the breaking off of prominent corners and edges or of otherwise marring the work while it is green.

10. In important building construction, concrete should never be allowed to be patched up until it has been inspected and passed upon by a representative, other than that of the contractor doing the work. Poor concrete is often otherwise covered up, greatly to the detriment of the work. The positive enforcement of this rule will be accompanied by better results generally. Patched work is usually detectable, being of a slightly different color than the body of the work and often is accompanied with shrinkage cracks around the patch.

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### Joints in Concrete Work.

Care should be exercised in the formation of joints in concrete work, especially in conspicuous places. A poor or unsightly joint not only mars the appearance but may effect the strength of the member or structure as a whole. The first and last batches of concrete therefore, deposited in each day's work should be especially well tamped and all surfaces brought to a level and roughened up afterwards, where more concrete is to be placed upon it, but never left rough due to insufficient tamping.

A wooden strip nailed horizontally to the interior of the formwork, forming when later removed, a groove or false joint, an inch or so deep in the exposed face of the concrete, may be used to advantage to mark the end of one day's concreting and the be-

ginning of the next, and the concrete stopped off at this level. This groove not only adds to the appearance of the structure on exterior surfaces, hiding what otherwise might be an unsightly joint, but is an effective means of breaking the monotony in the face of long stretches of concrete.

The outside faces of exterior columns just below the floor line, when columns are concreted up to the soffit or under side of the beams and girders, may be treated effectually in this way, as also walls that cannot be carried to the top in one day's concreting. These strips should be thoroughly secured to the formwork from the inside to prevent being misplaced in the depositing and tamping of the concrete, and should be saturated with water to prevent swelling, with resultant injury to the concrete.

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### COMMENTS ON OAK FLOORING.

By W. L. Claffey.

The extent to which oak flooring is being used at the present time, in modern residences and apartments, schools, office buildings and stores, lends more than a usual interest to a brief mention to some of the characteristics of this beautiful and durable wood. For flooring purposes, it is considered by authorities on wood and interior decoration, as the best for all flooring purposes. It combines beauty, distinction and durability. It is a wood that will harmonize with any kind of interior trim and will do more to tone up a home than any part of the interior construction. In color, it is rich and cheerful. Moreover, it is sanitary and very easily kept in good condition. The woman of to-day wants oak flooring, because it will harmonize with almost any kind of furniture or color decoration.

For economy, the  $\frac{3}{8}$ -inch thickness may be laid over old floors in old homes or in new buildings over sub-floors. It is matched and end-matched, so that it can be blind or secret nailed. After laid, it has all the appearance of heavy flooring. The  $\frac{3}{8}$ -inch thickness is about 35 per cent. less expensive than the 13-16-inch thickness and makes a floor equally as durable.

In Detroit a short time ago, two duplicate houses were sold. One bringing \$6,000 and one \$5,000. The \$6,000 house was floored with  $\frac{3}{8}$ -inch select plain oak flooring, 2-inch face over an old pine floor, at only a total cost of \$225. This included the finishing. The house that brought \$5,000 contained the original soft pine floors. The real estate man who made the deal and who caused the oak flooring to be laid over the old pine floor, knew the value of oak flooring, and it surprised the owner that he would be able to get such better value for the house that contained oak flooring. This proved such a good investment for the owner that he had some other houses that he owned floored with oak flooring over old pine floors. Real estate dealers and owners always emphasize oak flooring when they advertise property "For Sale" or "For Rent," as they are sure that oak flooring will bring better renting and selling values, besides getting a better class of tenants.

Oak has always been taken as an example of strength and endurance, and there is little doubt but that before the dawn of history, the oldest living trees to be found were oaks as they are to-day. It is not alone the age that the oak attains that always made it renowned, but its lasting qualities and strength when put in use for any purpose. The oldest hewn wood in existence to-day is from an oak. Nothing else has withstood the ravages of time and nothing else will.

The finest automobile will not run when the tank is empty, and the finest space can not pull unless it is filled with copy that grips interest.—"Printer's Ink."



## Architectural Notes

A number of buildings are now approaching completion which will constitute genuine additions to the architectural individuality and interest of New York City. In the first the New York "Record and Guide," is in every way creditable to the city and to the firm of architects who designed it. It will not only be the best looking skyscraper in place, the new municipal office building, says New York, but it will also be one of the best planned and one of the most dignified. Probably no office building in the city will contain so many well-lighted rooms, and certainly none will look more like a public edifice. The cleverness with which the architects have managed to impart to the appearance of an entirely practical skyscraper something of the spaciousness and distinction characteristic of public buildings is deserving of the highest praise.

The Woolworth Building will also add a new sensation to the architecture of the city. While in general design and in detail it is not of any great intrinsic interest, yet it will be undeniably effective, because of its unprecedented height and because this height has been emphasized by its architectural treatment. Its vertical lines have been made as conspicuous as possible and will produce a peculiarly towering impression on the observer. It is, moreover, not merely the highest tower in New York, but the only one which has been situated properly with respect to the rest of the structure.

Of still greater intrinsic architectural interest is the Grand Central Station. The exterior of this huge building is now so near to completion that a pretty good guess can be made as to how it will look, and we imagine every one will agree that it is going to be an extraordinarily handsome and imposing building. It has none of the monumental impressiveness and grave beauty of the Pennsylvania station. It will never awaken among the lovers of good architecture anything like the same enthusiasm as its rival. But it will have practical and aesthetic advantages of its own. It is a frank, dignified modern French treatment of the difficult problem of station design, and as such it is extremely successful. Its masses have been excellently handled, and the ornament is discreet and appropriate. It is, we believe, distinctly a better designed and better looking building than is the Gare d'Orleans, which is the only large modern station in Paris, and if any European city has a structure to compare with it we have never come across it. In fact, in its two modern terminals, New York possesses two public edifices each incomparable in its own way.

\* \* \*

A well-known engineer, observes the same authority, has recently criticized with some severity the expenditures of such enormous sums of money as those laid out by the

Pennsylvania and New York Central roads on their New York terminals. "Big passenger terminals," he says, "are a survival of the time when English coaches started from some central hostelry. Central terminals are, perhaps, a convenience to through passengers with trunks, never to local passengers without trunks. The 500,000 people who go to and return from Coney Island on a hot summer holiday have not required palatial terminals; neither have the hundreds of thousands of passengers handled daily at the 42d street sub-station or the Brooklyn Bridge. The great problem of city traffic is to secure distribution, to scatter foci, to dissolve congestion. Terminals of necessity create and increase congestion."

All this is in certain respects very true. The construction of these large, expensive passenger stations involves an enormous amount of waste, which might have been avoided by some systematic planning in the beginning. The most economical and convenient way of collecting the passengers who now use the terminals would be to have the subway system of the city articulate with its subway system so that there could be the utmost freedom in the exchange and transfer of traffic between the two. The majority of suburban trains should run through subways down-town as expresses, and the terminals should simply be transfer stations for the comparatively few people who have trunks or want to travel long distances.

But, unfortunately, this is a counsel of perfection. The steam railroads have only recently awakened to the interest which they should have in uniting their service as closely as possible with the city's rapid transit system. In no part of the country have they attempted to secure control of the local transit machinery, and they would in all probability refuse to enter into too close an alliance—in case such an alliance had been proposed by the city. It looked at one time as if the New York and New Haven would bid for the Lexington avenue subway in New York; and the Public Service Commission definitely prepared its plans with this idea in mind; but for some reason the management of the corporation changed its intentions. So far as we know, this is the only case in which a closer alliance had been seriously discussed by practical men, and, considering its enormous advantage to the New Haven company, the advancement of its first plan to obtain a direct southern outlet for its large and largely increasing suburban traffic is inexplicable. There seems to be no tendency, consequently, to convert terminals into transfer stations—in spite of the huge expense of these buildings and the apparent waste which they involve.

\* \* \*

Theodore Starrett, the New York builder, spent six years in the late D. H. Burnham's

office at Chicago in his younger days and was a part of many interesting things. Those were the days and that was the place of the beginnings of steel skeleton construction—not the origination of it, because it grew in many offices, Mr. Starrett says.

In some reminiscences of Burnham, published in "Architecture and Building" for July, Mr. Starrett says the firm was then styled "Burnham & Root." John W. Root was an artist draftsman, Burnham just a plain business man. With Frank Sickels, their great lieutenant, and Paul Lautrup, a water color genius, to make perspectives, they formed a combination that was sweeping everything before it.

"The untimely death of John Root was a great blow to Burnham, for he had fairly idolized him," says Mr. Starrett. "Part of the success of the firm was due to the abiding admiration that Burnham felt for his partner. When he would go after business he would brag about Root as an architectural genius in a way that was wonderful to behold. It was a case of David and Jonathan over again. Whether Root's genius was as great as Burnham thought it in those days I used to doubt, but in the light of present knowledge, comparing his work with that of his contemporaries, it is a question in my mind whether he was not as great an architect as Louis Sullivan and whether he might not, if he had lived to round out his years as his partner did, have done as great things in his way as did Burnham."

\* \* \*

Madison Square Garden will be the scene of the first international conference and exhibition, embracing every phase of fire prevention, fire protection and fire-fighters, next October, from the 2d to the 12th. Fireproof building construction and all accessories, fire alarm systems, automatic sprinklers and fire extinguishers, motor fire apparatus, fire-escapes, and, in fact, every device and manufacture in the fields of fire prevention and extinguishment will be exhibited and demonstrated; and, in addition, the conference will hold sessions daily, providing the first general consideration of the fire question by architects, builders, engineers, insurance men and fire-fighters on the same platform. The mayors of the principal cities of the United States have appointed their fire chiefs and commissioners as delegates.

\* \* \*

C. M. Price has an article in the current number of "Arts and Decorations" on "The Solarium":

"The roofing is of glass on open timber trusses, the flooring is of tile and while this solarium partakes of the nature of a conservatory in its housing of plants, it holds a great advantage over the old idea of a 'conservatory' in that it is designed also to live in. Informal furniture has been appropriately chosen for its conformity with the treatment of the whole sun-parlor—it is almost

(Continued on page 554.)



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# Editorial Comment

The importance of looking after the smaller details in house building is slowly but surely dawning upon men who operate in this branch of the trade. Even the operative builder is coming to understand that it pays to have interior trim wear the look of having been properly joined rather than just thrown in. With the growth of popular intelligence in other lines has come about a demand for better building. "Jerry" brick work, "slap-dash" foundation setting, "hurry-up" sheet metal work and "hatchet-and-saw" joinery do not find the ready sale that once marked this kind of operative building. The public has become wiser, keener, infinitely more exacting. Pretty paperhanging and an ornamental front piazza fail to exert the lure that once attached to these appendages of the "modern home." In the hey-day of the operative house these were features that, like charity, covered a multitude of sins. The "American Carpenter and Builder" had some pertinent things to say in a recent number on the little-regarded but not unimportant detail of builders' hardware:

"Did you ever size up a residence by the looks of the front door knob and lock?" asks the writer. "Of course you have, and so too have many others. Quite the most prominent thing about an entrance door is its hardware—the bell or knocker announcing your arrival, the lock giving safe security to those within and a knob to which the hand instinctively goes out.

"It seems needless then to say that the front door hardware is important. It is not only the most prominent thing about the entrance door, it may also be the most decorative, and by its appearance we have come—sometimes without knowing it—to 'size up' the quality of the entire house.

"And if this is true of the front door hardware, how much more true it is of the hardware trim on the inside of the house. The one feature that more than any other indicates the quality of a residence is the builders' hardware that is used—a very small item of expense itself, amounting to less than 2 per cent. of the total cost of a dwelling even when the finest grade of hardware is used, the hardware trimmings are in such prominence that they dominate the entire structure. Cheap builders' hardware goes with a cheap house; high grade builders' hardware gives the entire interior the look of quality. For these reasons it is an exceedingly good investment to use high-grade hardware trimmings on all work.

"Urge and advise the owner to make a large enough appropriation for this item so that real satisfaction can be had. The locks are the defense of the home, and the proper selection of the ornamental trim is an important factor in the decorative treatment.

The builders' hardware is in such prominence that it sets the style for the entire building.

It is interesting to note some of the present day developments in builder's hardware. There are styles here the same as in millinery or dress goods—though they come on more gradually and last longer. The tendency to-day in builders' hardware is decidedly toward simplicity of outline and the return to Colonial standards. This is shown in the decreased demand for ornate designs. The substitution of handles with thumb-latches, instead of knobs, and the increased use of glass knobs on inside doors are both decidedly Colonial features. There is also a growing demand for the simple finishes, as the old brass, dull brass and bronze.

"The popularity of casement windows has brought special casement hardware into prominence; and, at the same time, the ingenuity shown by the hardware people in designing sash adjusters, casement locks and bolts etc., has augmented the popularity of this style of window.

"The building public in general is coming to realize this. There is to-day a perceptible turning back again to the spirit of the old-time craftsmen who hammered and wrought their very heart's blood into their work, giving the best that was in them and producing honest works of real beauty, which were to be used in every day life; so to-day we are getting back to this old conception that things of beauty are to be used; or to put it the other, that what we see and use in our every-day life should be strong and beautiful.

"And to nothing does this apply, with so much force, as to builders' hardware."

\* \* \*

After having been nearly twelve months under consideration, the city council of Chicago has passed a fire prevention ordinance, but not in the shape that was contemplated in the beginning. The building committee in reporting it struck out and reserved for future consideration the five following articles: Automatic sprinklers, fire prevention apparatus other sprinklers, fire drills, the lighting and indication of means of exit from buildings, matches. Article XVIII, which referred to safety gas appliances, has been altogether struck out and will not reappear in the ordinance. The reason assigned for the temporary elimination of the other articles is because of the request, more or less urgent, of several associations and business interests that it was claimed might be affected by them if passed.

\* \* \*

The German Imperial Testing Bureau at Gross-Lichterfelde (near Berlin) has just issued a certificate (A. No. 58547: Abt. 2. No. 13447) showing the value of Impervite Waterproofing Compound (an asphaltic paste) in



competition with a well known German compound (which is a soap paste).

A 1:3 mortar was used for the tests, containing in each case  $1\frac{1}{4}$  per cent. of Waterproofing Compound. In the Tensile Strength Tests, Impervite proved to be more than 10 per cent. stronger than the soap compound: and in the permeability test, it was more than twice as effective.

The  $1\frac{1}{4}$  per cent. of compound was based on the total weight of cement and sand, and is equal to about 5 per cent. based on the cement alone. This is the maximum amount for soap pastes, for if more were used it would too seriously reduce the strength of the mortar and would also delay the setting so that the mortar would not harden properly. On the other hand, with Impervite, eight times the above quantity may be used if desired without reducing the strength or delaying the set.

It is stated that it is thus possible to secure a higher degree of waterproofing than ever before attainable, and problems that have baffled engineers for years can now be solved. The prevention of electrolysis is one of these problems.

The United States Bureau of Statistics, at Washington, in their tests on electrolysis have found that blocks treated with Impervite and immersed in salt water, have stood for months against 110 volts D. C., without the slightest damage. All other waterproofing compounds, it is said, without exception broke down completely after a few weeks.

The figures obtained, show that with  $1:2\frac{1}{2}:4$  concrete, containing 10 per cent. Impervite, the passage of current was only 0.0005 to 0.0010 amperes at 110 volts. Several of the blocks were sawed open, after having been exposed to these conditions for four months and the iron test rods, embedded in the blocks, were found to be in perfect condition.

Another interesting problem is the preparation of non-cracking stucco. Here, a permanent and efficient waterproofing is necessary on account of the weathering action to which the stucco is exposed. With Impervite, it is found that a lean mortar can be made thoroughly waterproof, and furthermore, it will not check or hair-crack the way that a rich mortar would. The Standard Paint Company of New York are the manufacturers of Impervite, and their book on waterproofing is said to be the first to explain the importance of lean mortar for stucco work.

\* \* \*

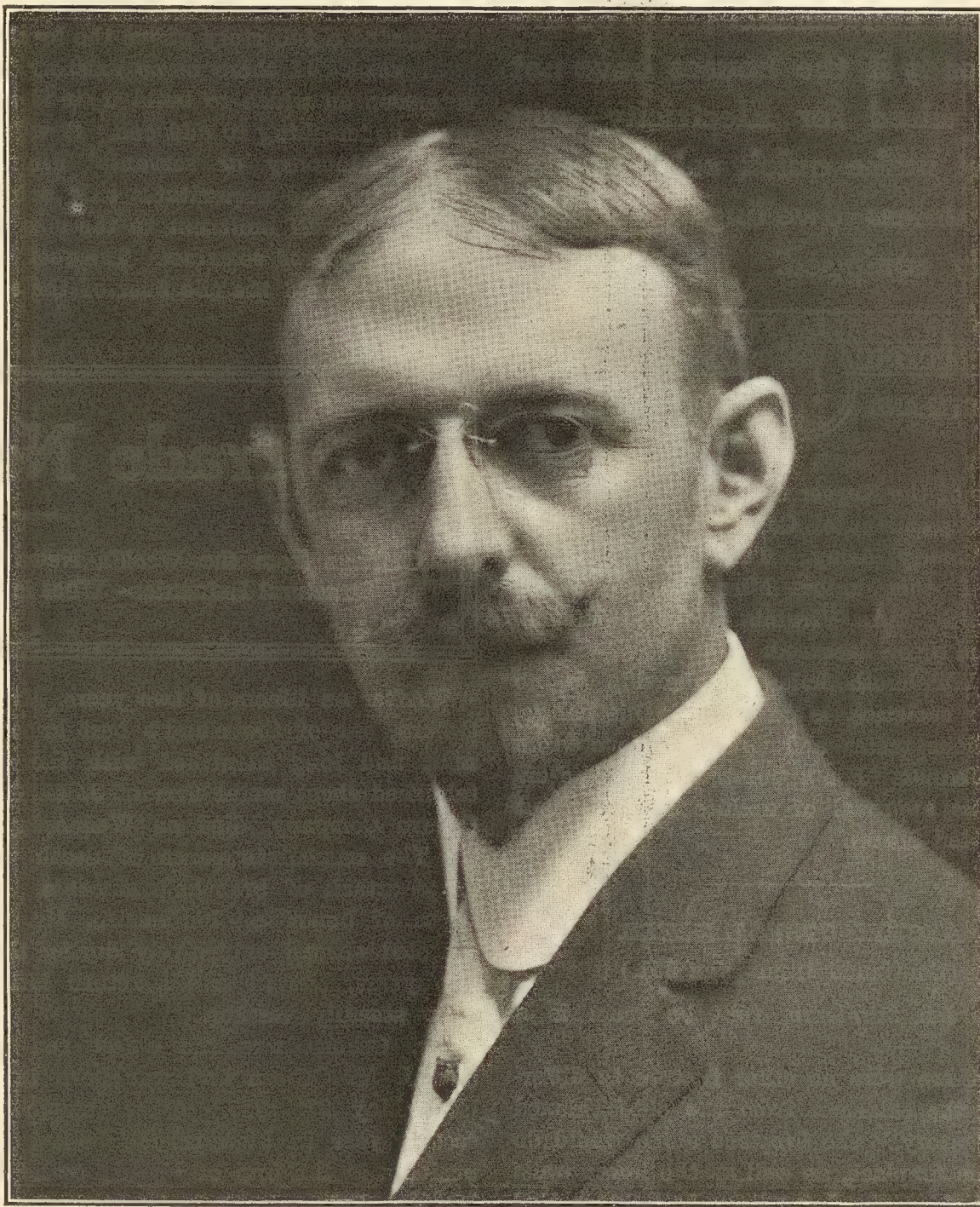
"The Guide" was the first among architectural magazines to supply information regarding the new Supervising Architect of the Treasury Department following that gentleman's appointment last June. It is pleased to be able to supplement the data then given with an excellent portrait and biographical sketch published in this number. Mr. Wenderoth, as a native Philadelphian, identified for many years of his life with some of the more distinguished of Philadelphia architects, claims "The Guide's" admiration. "The

Guide" believes in Philadelphia, believes in the Philadelphia architect, believes in American architecture—and regards Mr. Wende-

roth, the new Supervising Architect of the Treasury Department, as a credit to the trinity.

## UNCLE SAM'S NEW ARCHITECT

Mr. Oscar Wenderoth who succeeds Mr. James Knox Taylor as Supervising Architect of the United States Treasury Department



Mr. Oscar Wenderoth, who succeeds Mr. James Knox Taylor as Supervising Architect of the Treasury Department of the United States, is a native Philadelphian, the son of Frederick A. Wenderoth, a widely known portrait painter, who came to America about the middle of the last century, from Hesse Castle, settled in Philadelphia, and died in that city March 15, 1884. The present Supervising Architect first saw the light of day April 10, 1871, received his schooling in the Philadelphia grammar schools and at the age of 15 entered upon the study of his profession. After working in the offices of various well-known Philadelphia architects, including Messrs. T. P. Chandler, Cope & Stewardson, W. L. Price, Lindley Johnson, Frank Miles Day, and Kennedy, Hays & Kelsey, Mr. Wenderoth, in 1897, entered the office of the Supervising Architect

of the Treasury Department as a draftsman. Had charge, as Assistant Superintendent of Construction, of the new Mint Building in Philadelphia, but resigned before the completion of this structure to re-enter the drafting room. In August, 1904, was appointed head draftsman to the Superintendent of the United States Capitol, in charge of making plans and specifications for the office buildings for the House of Representatives and the United States Senate, being later advanced to the position of architect. Completing this work, Mr. Wenderoth resigned in 1909 to become head draftsman to Carrere & Hastings, of New York City. Mr. Wenderoth succeeded Mr. Taylor, as Supervising Architect of the Treasury Department, June 1, 1912, and assumed charge on July 16. Mr. Wenderoth was married June 15, 1898, in Philadelphia, to Sara Robinson Keyser, a



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member of the Keyser family of Germantown, and a descendant of Col. John Eyre, of the Revolutionary Army. Three children were born of this union—Miss Dorothy Eyre Wenderoth, Miss Virginia Hastings Wenderoth, and a son deceased.

Mr. Wenderoth holds membership in no clubs or societies, is domestic in his habits, of studious tastes and tirelessly devoted to his profession. His appointment has the enthusiastic approval of architects throughout the United States.

J. I. D.

### ARCHITECTURAL NOTES.

(Continued from page 551.)

like garden furniture, for the room is a garden.

"If there were no other feature to differentiate the solarium from the old-fashioned 'conservatory,' the fireplace alone would do so. This fireplace, as well as the lower walls and the fountain, have been happily carried out in that type of tile which is known as 'Moravian' tile. The colors are at once rich and subdued, with a great range of dull, harmonious colors, with interesting variety of shapes and designs. For this sort of use it is hard to find any accessory building material which affords such extremely interesting possibilities in texture and color, while its quaint informality seems peculiarly appropriate to a part of the house which is neither exterior nor interior, yet essentially to be used as a garden.

"It is curious that the idea of the solarium has not been evolved from the conservatory long before the present, for the conservatory in itself was a distinctly limited affair. One entered only to look at the flowers, if at all. It was little more than a small attached greenhouse, and was often shut off to make possible an artificial (and uncomfortably high) temperature for exotic plants.

"The solarium, on the other hand, is obviously a livable part of the house, and in the case of the example illustrated a very livable part. It has, indeed, overshadowed in popularity all the rest of the house put together, being regularly sought for the morning sun-bath, the afternoon siesta, the five o'clock tea and the after dinner coffee. It is by no means a formidable undertaking to plan and carry out the building of the solarium, especially in cases where the dining-room (from which it is most desirable to have it open) is situated a full story above the level of the back yard. If there is no existing kitchen extension on which to build it, it is no very great undertaking to add one. It will add a spacious laundry or servants' dining-room downstairs, and necessitates only a brick or hollow-tile wall built out to the size desired for the proposed solarium. The roof of this, in order to hold the tile floor of the sun-par-

lor, may be constructed of light structural steel hollow tile and two inches or so of cinder concrete, or may even consist of heavy timbers, fireproofed and prepared to take the finished tile floor.

"The superstructure of the solarium must be designed, obviously, as nearly as possible entirely of glass, such happy features as the introduction of Moravian tile, or of fireplaces, fountains, aquaria or other embellishments being resultant from the taste and ingenuity of architect or owner, or both.

"The solarium, as an added attraction and a very practical and pleasure-giving addition to the city house, has undoubtedly come to stay and it will be interesting to see how many, how varied and how successful attempts will be made to devise an attractive glass lounging-room as eminently satisfactory as the example illustrated.

## Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

\*\*After an illness of two years, Mr. L. A. Osborn, one of Cleveland's best known citizens, and long identified with the old established sheet metal firm of J. M. & L. A. Osborn Company, died on Wednesday, July 3. The immediate cause of death was an acute attack of broncho-pneumonia. In the hopes of benefiting his health, Mr. Osborn traveled abroad extensively during the past two years, but after his return last April grew steadily weaker.

Mr. Osborn was the eldest son of the late J. M. Osborn and was born in Cleveland, May 27, 1865. After completing his second year in high school, he engaged in business in the firm of his uncle and father, Meyers, Rouse & Co., pioneer stove manufacturers. In 1888, upon the dissolution of this firm, he went into the tanners' supply business under the firm name of L. A. Osborn & Co., and several years later his father entered the firm, and the name was changed to J. M. & L. A. Osborn Company. Mr. Osborn is survived by his wife, Emily Baldwin Osborn, a son, two daughters and a brother, Dr. William J. Osborn. He was for many years a member and officer of the First Baptist Church, and for the last several years was superintendent of the Sunday School.

\*\*Carl F. Gould, A. A. I. A., Seattle, Wash., announces change in offices from University Club to 4001401 Boston Block. Before coming to Seattle Mr. Gould was a member of the firm "Carpenter, Blair & Gould," 475 Fifth avenue, New York. Manufacturers please send catalogues.

\*\*Mr. Merman R. Hersh, architect, has

opened an office for the practice of his profession in High Point, N. C. Catalogues requested.

\*\*William E. Harmon, of Wood, Harmon & Co., real estate developers, is of the opinion that low buildings are more proportionately profitable than tall ones, and he has said that almost any piece of Broadway property would have yielded a larger net return to its owners during the past one hundred years had no building more than two stories ever been constructed thereon.

Again Mr. Harmon says: "The craze for high buildings is a passing fancy, for which their projectors are paying a costly price in bitter experience."

\*\*"Painting the Smoke Stack" is the title of a booklet issued by the Joseph Dixon Crucible Co., Jersey City, N. J. The book contains a number of illustrations of smoke stacks where Dixon's silica graphite paint has been used.

\*\*Dr. Evans, of Chicago, in a paper read before the American Society of Heating and Ventilating Engineers, stated that a proper standard of ventilation must take into account the cubic feet of space per inhabitant. But this also must be with a proper regard for the other standards. If it is taken as a sole standard it will oftentimes serve to entrench bad ventilation conditions. For example, such a condition prevails in the present factory law of Illinois. Badly ventilated factories which conform to this law are in a better legal position than they were under general police powers.

\*\*Arthur J. Morgan, secretary of the National X-ray Reflector Company, Chicago,



died July 5, of pneumonia, at his residence in Evanston. Mr. Morgan was but thirty-nine years old, in the prime of his life, at the time of his death.

Born in Los Angeles, California, in 1873, Mr. Morgan came to Chicago in 1900. He was a member of the Illuminating Engineering Society, Chicago Brass Manufacturers' Association, Chicago Association of Commerce, etc. As a member of the Illuminating Engineering Society, and through his business connections he had much to do with the recent advance developments in illuminating methods.

The kindness of Mr. Morgan's disposition, his strength of character, and sterling honesty, made him a host of friends.

\*\*Fuller & Warren Co., Troy, N. Y., have issued two new pamphlets entitled "Why You Need a Stewart Range" with "Selling Helps" and "The Dinner in Courses," which is the company's latest effort in advertising literature.

"Why You Need a Stewart Range" with "Selling Helps" is primarily published to aid the retail clerk or salesman in properly demonstrating and bringing out the desirable features of the Stewart line to prospective customers. The book without the "Selling Helps" is to be used for general distribution.

The booklet, "The Dinner in Courses," advertises the advantages and conveniences of the Stewart Combination Coal and Gas or "2-Fuel" Range.

\*\*Word comes from Mr. Chas. A. Bowen, secretary of The Builders and Traders' Exchange of Detroit, Mich., that in that city on the 10th, 11th and 12th of September there will be a meeting of Exchange secretaries.

This meeting is not to be a junket in any sense of the word, but to be a serious conference, on the order of a round table where those in attendance can get personally acquainted and discussions had concerning the Exchange work in the various localities and each one have a part in it.

Several matters of importance will be discussed, papers read, and general reports called for, that each secretary and his Exchange may profit thereby.

Of special interest is the fact that Mr. W. H. Sayward, who now is and for many years has been the secretary of the Exchange at Boston Mass., and who is therefore considered the dean of Builders' Exchange secretaries, will be one of the principal speakers at this meeting.

For any particular details concerning this meeting full information can be had by addressing the secretary, Builders' and Traders' Exchange, Penobscot Building, Detroit, Mich.

\*\*F. H. Glidden, president of the Glidden Varnish Company, Cleveland, Ohio, started the varnish business fifty years ago, making and selling varnishes on a very small scale at a time when the varnish industry was in its infancy as compared to the volume which it has reached at the present day. The orig-

inal concern was Glidden, Brackett & Co. This was succeeded many years ago by the Glidden & Joy Varnish Company, and later by the Glidden Varnish Company, as at present.

Mr. Glidden, now in his eightieth year, is the active head of the large industry that he founded and built, and his four sons occupy important places in the organization. F. A. Glidden is vice-president; F. K. Glidden, secretary; W. J. Glidden, treasurer, and J. F. Glidden, secretary of the Executive Committee and manager of the Department of Advanced Finishes, though in no case has any member of the Glidden family been appointed to an official position in the organization until he had demonstrated his ability and his value to the organization as a whole.

\*\*Powell Evans, president of the Merchant & Evans Company, well known manufacturers of tin plate, having main offices in Philadelphia, and branch establishments all over the country, has just concluded the purchase of 15 acres of land adjacent to Glenova, which is on the outskirts of Wheeling, W. Va., on the Ohio River and Pennsylvania Railroad lines, and also a tract of the Pittsburgh main coal land alongside, containing a million and a quarter acres of coal. The company is contemplating removing its tin plate dipping plant and perhaps some associate departments, now stationed in Philadelphia, to the new site. It is expected that the new plant will be in operation by early fall. A large structural steel building has

already been acquired and a large part of the general equipment of the Philadelphia plant is to be transferred as rapidly as possible. When completed, the production of the new plant will run between 300,000 and 400,000 base boxes of tin and terne plates per annum. The portion of the Philadelphia plant thus vacated will be used as an extension for the machine shop for the Mechanical Department of the company's business, and will be devoted chiefly to the manufacture of the Hele-Shaw clutch, the demand for which has been very heavy, approximately 500 trucks, of many different makes, a month being equipped with this device. The company also manufactures alignment joints and transmissions for automobile work.

\*\*The Rapp Construction Co., manufacturers of patent fireproof floors and floor arches, have moved their offices from 301 East 94th to 600 West 110th street, corner Broadway.

\*\*George A. Fuller Co., 111 Broadway, N. Y. C., has taken the contract for the erection of "The Ponce de Leon," and 11-story apartment building costing over \$500,000, and to be located at the corner of Peachtree street and Ponce de Leon avenue, Atlanta, Ga. The Fulton Properties Co., Albert Howell, Ja., president, is the promoter.

\*\*The U. S. Steel Corporation is now receiving a premium of as high as \$10 per ton for the early delivery of orders. This high premium is being paid on fabricated steel.

## NEW INVENTIONS.

Reported especially for this paper by H. B. Willson & Co., Patent Attorneys, 715 Eighth street, Northwest, Washington, D. C.

A Complete Copy of any of these patents will be forward to any person by Messrs. Willson & Co., on receipt of ten cents. Persons ordering Copies must give Number of Patent.

A. J. Ellis, Woodcliff-on-Hudson, N. J., assignor to A. J. Ellis, Inc., door-frame. No. 1,034,601.

L. E. Frye, San Francisco, Cal., reversible-door wall bed. No. 1,034,611.

J. A. Stuart, Glendora, Cal., hinge. No. 1,034,660.

C. W. Utzman, Chicago, Ill., assignor to The U. S. Gypsum Company, Chicago, Ill. plaster board. No. 1,034,746.

F. M. Emerson, Boston, Mass., assignor to Emerson & Norris Company, Boston, Mass., wall. No. 1,034,770.

E. H. McCloud, Columbus, Ohio, fireproof door or shutter. No. 1,034,812.

R. J. Sizer, Madison, Wis., hinge-gage. No. 1,034,843.

H. C. Waldman, St. Louis, Mo., fire door. No. 1,034,848.

R. B. Higgins and Herman Albers, St. Louis, Mo., assignors to Higgins-Albers Concrete Form Company, St. Louis, Mo., concrete floor decking. No. 1,034,913.

J. W. Toohey, Baltimore, Md., window screen. No. 1,034,937.

A. J. Axiom, Bloomington, Ind., assignor to J. G. Urney, Bloomington, Ind., floor oiler. No. 1,034,950.

O. B. Madison, St. Johns, Ore., chimney Cap-and ventilator. No. 1,035,024.

J. B. Marsh, Des Moines, Iowa, reinforced arch-bridge. No. 1,035,026.

A. H. Newpher, Chicago, Ill., assignor to The Adams & Westlake Company, window sash and weather guard therefor. No. 1,035,034.

A. H. Newpher, Chicago, Ill., assignor to The Adams & Westlake Company, window sash and weather guard therefor. No. 1,035,035.

Philip Pforr, Berlin, Germany, assignor to General Electric Company, system of suspension. No. 1,035,045.

M. E. Cobb, Cleveland, Ohio, assignor to J. F. Elder, Cleveland, Ohio, vault-closure. No. 1,035,531.

Gustav Johnson, Cleveland, Ohio, adjustable scaffold. No. 035,595.

R. D. Kline, Streator, Ill., greenhouse. No. 1,035,605.

J. J. Malone, New Haven, Conn., vehicle door-latch. No. 035,617.

E. H. Henderson, Chicago, Ill., assignor to Henderson Scaffold Hoist Company, Chicago, Ill., scaffold-supporting means. No. 1,035,702.

E. H. Henderson, Chicago, Ill., assignor to Henderson Scaffold Hoist Company, Chicago, Ill., scaffold-supporting mechanism. No. 1,035,703.



G. W. McCarty and D. F. Harness, Oklahoma, said Harness, assignor to F. W. Ingalls, Oklahoma, transom-lift. No. 1,035,719.

E. P. Warren, Indianapolis, Ind., assignor to M. H. McNaught, Indianapolis, Ind., elevator-door controller. No. 035,761.

A. R. Baltzer, Milwaukee, Wis., assignor to C. H. Crawford, Chicago, Ill., method and apparatus for constructing concrete buildings. No. 1,035,766.

A. R. Baltzer, Milwaukee, Wis., assignor to C. H. Crawford, Chicago, Ill., method and apparatus for constructing concrete buildings. No. 1,035,826.

J. S. Dikeman, Norwalk, Conn., assignor to The Dikeman Mfg. Company, Norwalk, Conn., saw-clamp. No. 1,035,166.

L. P. Edes, Worcester, Mass., lock for elevator doors. No. 1,035,174.

L. J. LeClair, London, England, balancing device for sliding windows. No. 1,035,203.

H. L. Lewen, New York, N. Y., assignor to International Corporation of Modern Improvements, New York, N. Y., fireproof building construction. No. 1,035,206.

Alexander Rispel, Chicago, Ill., door check and holder. No. 1,035,235.

J. N. Tate, Faribault, Minn., door-stop. No. 1,035,264.

## RENTALS AND WAGES.

### Here and Abroad—A Comparison of the Cost of Living in Various Lands.

The average daily compensation of railway employes of all classes for the year 1910 was, in the United States, \$2.23; in the United Kingdom, \$1.05; excluding supplementary allowances negligibly affecting the average, it was in Prussia-Hesse eighty-one cents and in Austria eighty-nine cents. The lowest paid railway employe in the United States, the ordinary trackman, receives a greater compensation than many of the railway employes of France, even those of higher grades and responsible duties. The compensation of railway employes in the United States is from two to three times as high as in Italy.

A bulletin from the Bureau of Railway Economics at Washington contains this information. In respect to rentals and the cost of household supplies the bulletin further says:

"The rental of a three or four-room house or flat is almost as high in Berlin, Paris or London as throughout the United States, but in England and on the Continent it generally runs from \$30 to \$90 a year less. The quantity of food and fuel estimated by the Board of Trade of England as the standard consumption of a typical workingman's family costs in the United States 17.8 per cent. more than in France or Germany, 35.3 per cent. more than in Belgium and 38 per cent. more than in the United Kingdom.

"It is well within the truth to estimate in a broad and general way that while the cost of living of a railway employe in the United States is less than fifty per cent. higher than that of a corresponding employe in the United Kingdom or on the Continent, his compensation averages more than twice as great."

## WHY FOREIGN LOSSES ARE LESS.

We are a nation of money makers, Europe is a nation of money savers. We are a people of waste, they are a people of thrift. We figure that the most important thing is to make a dollar, and they that it is of equal importance to save one. This is evidenced in our hurried construction of inflammable buildings, and in their slow and solid masonry; in our willingness to pay a high rate of fire insurance with the attendant risk, and their insistence on a low rate and unceasing care; in our elaborate fixtures for the putting out of fires and their precaution in preventing fires. We regard a fire as a misfortune and sympathize with the man who has had one, they regard fire as a crime and investigate and punish the man who is guilty. Our temperament is also shown by the different view we take of an insurance policy. Here, of our property is insured and we have a fire, we do not count it as a loss; simply that we have transferred the loss to other and distant shoulders. There, the insurance is regarded as a tax, which is ultimately borne by everyone. Here, we regard insurance as a gamble, and if there is a fire the insurance company has lost the bet. There, it is regarded as a means of reducing the loss to a certainty and is borne by the whole community. Here, we figure that the insurance company restores the loss; they, that it merely indemnifies the owner for a loss which can never be restored. We endeavor to extinguish the fire, they labor to prevent it. We are losing a fortune every year, they are saving one.—Hon. Robert Stone, of Topeka, Kan., in a recent address.

## CONSOLIDATION OF CONCRETE JOURNALS.

Announcement is made of the merger of "Cement Age," of New York, with which "Concrete Engineering," of Cleveland, Ohio, was merged some time ago, and "Concrete," of Detroit, two monthly publications devoted to the interests of cement and concrete and their collateral branches. The first number of the new publication, which will be known as "Concrete-Cement Age," appeared in July. The new company, which is capitalized at \$150,000, will maintain offices at 97-99 W. Fort street, Detroit; 30 Church street, New York, and 1120 First National Bank Building, Chicago. Walter C. Boynton will be general manager; R. Marshall, business manager; Allen Bret, managing editor, and Harvey Whipple, associate editor at Detroit. The Eastern office will have F. F. Lincoln as Eastern manager and Edward Trego, associate editor. Robert W. Leslie will be consulting editor and R. M. Babbitt, manager of the Western office.

## AMERICAN ROAD CONGRESS.

Before the Republican and Democratic National Conventions made their Presidential nominations, President Taft and Governor Wilson, of New Jersey, were invited to address the American Road Congress, to be held at Atlantic City, September 30 to October 5. Both men, realizing the importance of the good roads movement, promised to address the Congress, and the situation has not changed since both of them have become candidates for election to the Presidency. It is not likely that they will appear together on one platform in their autumn campaign except at the American Road Congress. The Congress is a national movement in which every one seems to be united, and the fact that the American Association for Highway Improvement, the American Automobile Association, and the National Association of Road Machinery and Material Manufacturers, will combine their interests in the one big meeting, gives ample assurances of its success.

## GERMAN CONCRETE RADIATORS.

An item in "The Heating and Ventilating Magazine" for July stated that concrete radiators were being experimented upon in Germany with apparent success. This new type of heating apparatus is shown in "Popular Mechanics," with the comment that the radiators are formed by pouring a mixture of cement and sand into special gypsum molds, or iron castings, and can be made in all colors and shapes. The thickness of the walls is about  $\frac{3}{8}$  inch.

"The most important feature of these radiators," says the writer, "has to do very intimately with hygiene. Being porous, they furnish moisture as well as heat to the air in a room." The low cost of construction is also emphasized.

At recent hygienic exhibitions in Germany, it is stated, concrete radiators were shown in many forms and colors.

## PATENTS

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Box 500 Willson Bldg. WASHINGTON, D. C.

## REAL ESTATE TRANSFERS.

Summary for week ending August 17, 1912:  
Number of transfers ..... 499  
Amount of transfers ..... \$1,286,402.75  
Cash consideration ..... 258,022.65  
Mortgage consideration ..... 1,028,380.10  
Ground rent consideration ..... 1,199.75  
Which on a 6 per cent. basis amounts to ..... 19,995.84



# Reference Directory for Architects, Builders and Owners

## Artesian Wells.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.

## Artists' and Architects' Supplies.

F. Weber & Co., 1125 Chestnut st., Phila.

## Architectural Iron and Metal Work.

John L. Gaumer Co.,  
22d and Wood sts., Phila.

## Awnings

Bernard McCurdy,  
N. E. Cor. 9th and Arch sts., Phila.

## Brick (Face, Etc.)

United Brick and Clay Products Co.,  
Morris Bldg., Phila.  
O. W. Ketcham, Builders' Exchange, Phila.

## Brick Renovating.

Adolph Christensen,  
1433 Brown st., Phila.

## Blue Prints

Blue Print Co., 1516 Chestnut Street, Phila.

## Boilers and Stacks.

Lindemann Engineering Co.,  
Drexel Bldg., Phila.

## Brass and Bronze Work.

John L. Gaumer Co.,  
22d and Wood sts., Phila.

## Builders.

Mitchell Bros., 2125 Race St., Phila.  
Pomeroy Const. Co., 1609 Ranstead st., Phila.

## Builders' and Contractors' Machinery.

Henry T. Peirce, Bulletin Bldg., Phila.

## Canvas Roofing.

The Franklin Paper Co.,  
718 Cherry st., Phila.

## Cement.

Samuel H. French & Co.,  
4th and Callowhill sts., Phila.  
Chas. Warner Co., Land Title Bldg., Phila.  
Knickerbocker Lime Co.,  
266 N. 24th St., Phila.

## Cement and Asphalt Paving.

Wm. Krause, 1621 N. 5th St., Phila.

## Cement Colors.

Samuel H. French & Co.,  
4th and Callowhill sts., Phila.

## Cold Water Painting.

William B. Southern,  
N. W. Cor. 12th and Spruce sts., Phila.

## Concrete Engineer.

Conklin Engineering Co.,  
Heed Building, Phila.

## Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,  
10th and Chestnut Sts.

## Elevator (Lubricators.)

American Engr & Mfg. Co.,  
Real Estate Trust Bldg., Phila.

## Engraving, Photo and Line.

Chestnut Street Engraving Co.,  
7th and Chestnut sts., Phila.

## Fire Protection Equipment.

Jas. Boyd & Bros.,  
25th and Wharton sts., Phila.

## Flag Poles (wood and steel).

Bernard McCurdy,  
N. E. cor. 9th and Arch sts., Phila.

## Floors and Floor Finishing.

Fritz & La Rue,  
4800 Parkside ave., Phila.

## Furnishers and Decorators.

Duncan & Duncan, Inc.,  
1724 Chestnut st., Phila.

## Furnaces and Ranges.

Bartlett & Co., 1938 Market st., Phila.  
Henry M. Miller, 40 N. 2nd st., Phila.

## Gas and Gas Appliances.

United Gas Improvement Co.,  
Broad and Arch sts., Phila.

## Graphite Paint.

Jos. Dixon Crucible Co.,  
1020 Arch st., Phila.

## Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

## Heating (Warm Air.)

Makin Heating Co., 6 N. 18th St., Phila.

## Iron Work (Structural and Ornamental).

W. E. Wark & Co., 1737 Filbert st., Phila.

## Lighting Fixtures.

Logue-Stronge Mfg. Co.,  
435-37 N. Broad st., Phila.

## Metal Ceilings.

Penn. Metal Ceiling and Roofing Co.,  
2200 Hamilton st., Phila.

## Metal Furniture.

Edward Darby & Sons Co.,  
233 Arch St., Phila.

## Metal Tile.

American Perfectile Co.,  
1526 Sansom St., Phila.

## Marble Mosaic.

Belfi Bros. & Co.,  
20-22 S. 19th st., Phila.

## Metal Doors and Trim.

R. R. Hammond & Co.,  
Land Title Bldg., Phila.

## Mill Work.

Frank C. Snedaker & Co.,  
9th and Tioga sts., Phila.

## Mortar Colors.

Samuel H. French & Co.,  
4th and Callowhill sts., Phila.

## Mouldings (room and picture).

B. B. Funston, Inc. 146 N. 10th st., Phila.

## Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th St., Phila.  
Samuel H. French & Co.,  
4th and Callowhill sts., Phila.  
Pyramid Paint Co., 131 N. 22nd st., Phila.  
E. E. Nice 272 S. 2nd St., Phila.

## Parquetry Floors.

Strawbridge & Clothier,  
8th and Market Sts., Phila.  
Masters Patent Floor Co.,  
7 S. 16th st., Phila.  
Fritz & La Rue,  
4800 Parkside ave., Phila.

## Perfectile

The American Perfectile Co.,  
1526 Sansom st., Phila.

## Plaster.

J. B. King Co., Builders' Exchange, Phila.

## Plaster Board.

J. B. King Co., Builders' Exchange, Phila.

## Radiators.

H. B. Smith Co. 1225 Arch st., Phila.

## Ranges.

Henry M. Miller, 40 N. 2nd st., Phila.

## Refrigerators.

Henry M. Miller, 40 N. 2nd st., Phila.

## Roofing Slate.

C. F. Shellenberger,  
Builders' Exchange, Phila.  
Bangor Slate Co., Inc., Bangor, Pa.

## Roofing Slate (black and colored)

Wm. Moore Co.,  
Real Estate Trust Bldg., Phila.

## Roofing Tile.

C. F. Shellenberger,  
Builders' Exchange, Phila.  
O. W. Ketcham, Builders' Exchange, Phila.

## Real Estate and Mortgages.

Hazlett & Moss, 518 Walnut st., Phila.

## Safes and Vaults.

Stiffel & Freeman, 723 Chestnut st., Phila.

## Safety Treads.

R. R. Hammond & Co., Land Title Bldg., Phila.

## Sanitary Flooring.

Woodoleum Flooring Co.,  
Betz Building, Phila.

## Sewer Pipe and Flue Linings.

C. F. Shellenberger,  
Builders' Exchange, Phila.

## Sash Pulleys.

American Pulley Co.,  
4200 Wissahickon ave., Phila.

## Slate—Roofing and Structural.

Wm. Moore Co.,  
Real Estate Trust Bldg., Phila.

## Stair Builders.

Frank C. Snedaker & Co.,  
9th and Tioga Sts., Phila.

## Structural Engineer

Conklin Engineering Co.,  
Heed Building, Phila.  
Harry C. Eisenbise, Penna. Bldg., Phila.

## Tanks (steel).

Lindemann Engineering Co.,  
Drexel Bldg., Phila.

## Terra Cotta (Architectural)

O. W. Ketcham, Builders' Exchange, Phila.

## Test Borings.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.

## Tile—Floor, Wall and Decorative.

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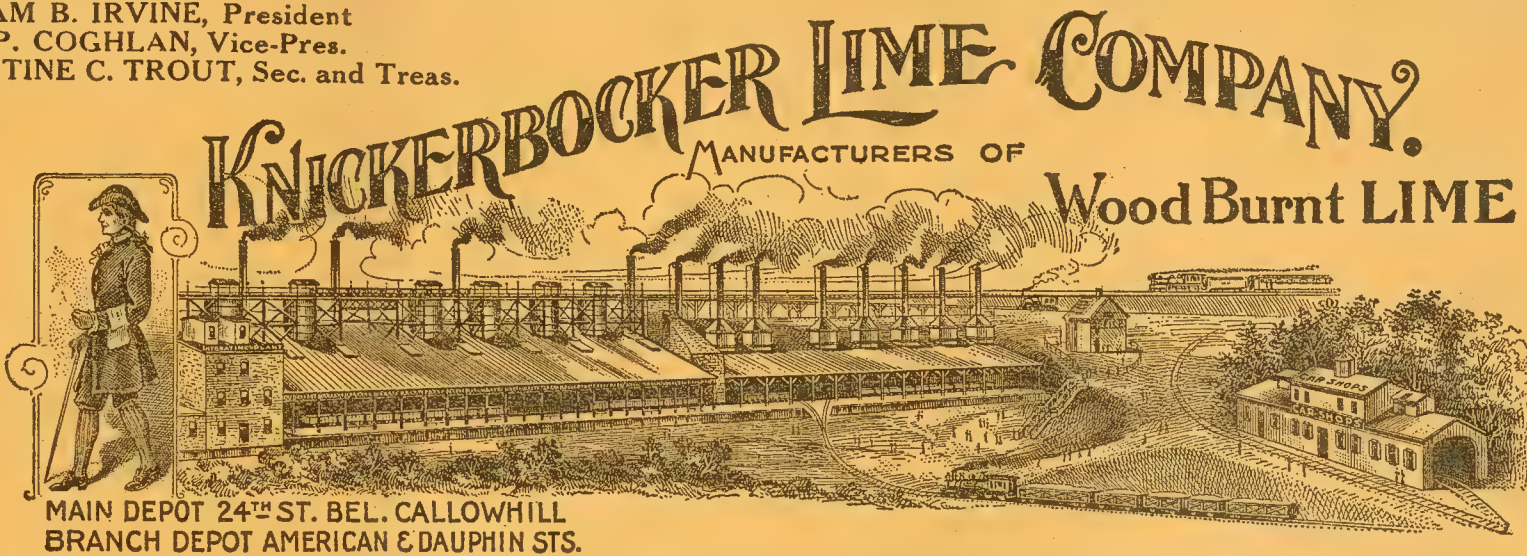
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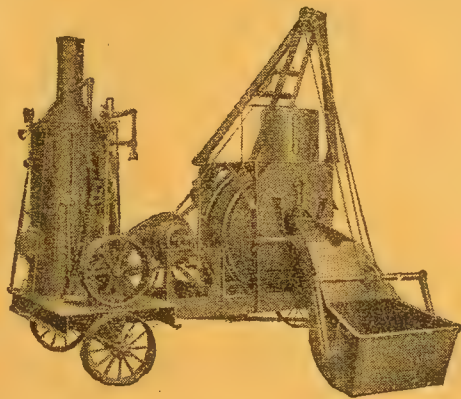
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Vol. XXVII, No. 35.

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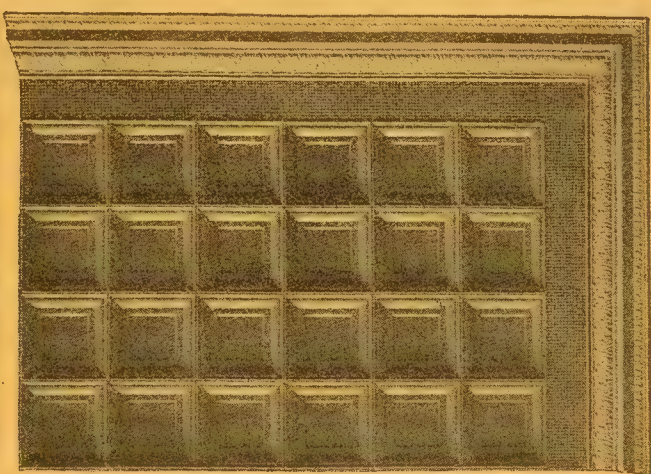
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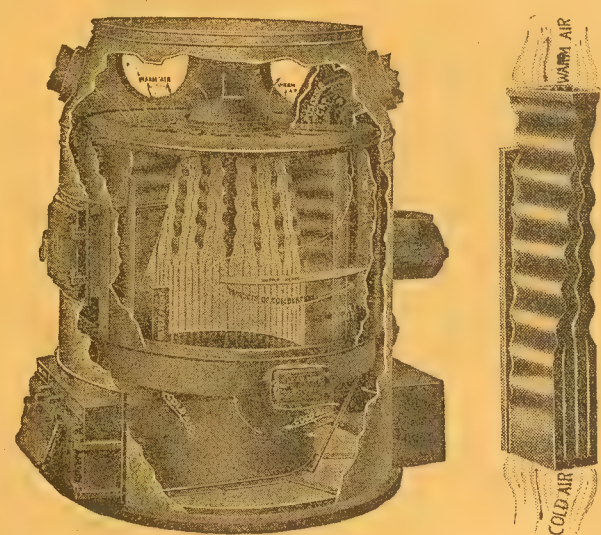
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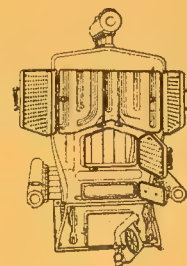
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THE PHILADELPHIA REAL ESTATE RECORD AND

# Builders' Guide

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Vol. XXVII., No. 35.

PHILADELPHIA, WEDNESDAY, AUGUST 28, 1912.

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## Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Stores and Garage**, 1424 to 30 Vine street. Architect, private plans. Owners, Dennis Conway Estate, care Ed. Lutz, 240 North Seventeenth street. Brick, two stories, 82x96 feet, steam heat, electric light, slag roof. Owner taking bids. Jos. Bird Co., 213 North Eleventh street; Herman Voigt, 1251 North Twenty-eighth street, and J. R. Wiggins, Heed Building, are figuring.

**Laundry (alt. and add.)**, Media, Pa. Architect, Newton Flounders, Media, Pa. Owners, Media Steam Laundry, Media, Pa. Brick, two stories, slag roof, electric light. J. B. Flounders, 1329 Arch street, is taking sub-bids.

**Stairway**, Holmesburg, Pa. Architect, Philip H. Johnson, Land Title Building. Owner, City of Philadelphia, City Hall. Concrete and steel. Owners taking bids due September 4, 12 o'clock.

**Hospital**, Thirty-fourth and Spruce streets. \$200,000. Architects, Brockie & Hastings, 1713 Sansom street. Owners, University of Pennsylvania Hospital. Brick, stone, terra-cotta and steel, fireproof, five stories, 90x94 feet. Plans in progress.

**Y. M. C. A. Building**, Johnstown, Pa. \$200,000. Architects, Seymour & Paul A. Davis, 1713 Sansom street. Owner, Y. M. C. A., Johnstown, Pa. Brick, terra-cotta and steel, fireproof, seven stories, slag roof, steam heating, electric lighting. Final plans in progress. Architects will take bids in about six weeks.

**Church**, Bethlehem, Pa. Architects, Chas. Bolton & Sons, Witherspoon Building. Owners, First Presbyterian Church, on premises. Brick and terra-cotta, one story, 70x75 feet, hot water heat, slate roof, electric light. Architects taking bids due September 5. The following are figuring: Speck Bros., Forrest & Speck, Geo. W. Heller, H. Fdoudt, C. F. Banzer & Co., all of Bethlehem; R. Rithum, Ochs Const. Co., and J. A. Nagle, of Allentown, Pa.

**Residence (alt. and add.)**, 5933 Thomas avenue, Sherwood, Pa. Architect, W. L. Blithe, 608 Chestnut street. Owner, Victor Fringes, Thirty-second and Market streets. Stone and brick, three stories, slate roof, electric light. Architect taking bids due September 4. The following are figuring: James Johnson, 1721 Ludlow street, Thos. C. Trafford, 1613 Sansom street, Metzger & Wells, Heed Building, F. W. Allison & Co., 1710 Rittenhouse street, and J. B. Flounders, 1329 Arch street.

**Residence**, Oak Lane, Pa. Architect, Bart Tourison, Land Title Building. Owner, Adam J. Hill, care architect. Stone, three stories, 37x48 feet, slate roof, electric light, steam heat, hardwood floors. Architect taking bids due August 30. Wm. R. Dougherty, 1608 Sansom street, is figuring.

**Residences (two)**, Jackson and Newton avenues, Atlantic City, N. J. Architects, Druckenmiller, Stackhouse & Williams, Land Title Building. Owner, Mahlon W. Newton, Green's Hotel, Eighth and Chestnut streets. Plaster, two and one-half stories, 43x80 feet each, slate roof, hot water heating, electric lighting, hardwood floors. Architects taking bids due August 28. The following are figuring: McLean & Baldwin, 1626 Sansom street; A. Whitehead, 1624 Latimer street; F. L. Hoover & Sons, Builders' Exchange; J. B. Flounders, 1329 Arch street; Hampton Bros., Atlantic City, N. J.; W. S. Higbee, Atlantic City, N. J.

**Grand Stand**, Princeton, N. J. Architects, Day Bros. & Klauder, 925 Chestnut street. Owners, Athletic Association, Princeton University. Brick, concrete and steel, fireproof, slag roof, electric light. Architects taking bids due August 27. The following are figuring: Wm. R. Dougherty, 1608 Sansom street; R. C. Ballinger, 218 North Thirteenth street; H. H. Burrell, 1204 Chancellor street; John Duncan, 920 Walnut street; James Foster, 3200 Sansom street; The Matthews Const. Co., Princeton, N. J., and The Sanford Brooks Co., 24 Commerce street, Baltimore, Md.

**Garage**, Camden, N. J. Architects, Stearns & Castor, Stephen Girard Building. Owners, Warren Webster, Camden, N. J. Brick, two stories, 25x40 feet, hot water heat, electric light, asbestos shingle roof. Architects have received bids.

**Residence (alt. and add.)**, Media, Pa. \$7,500. Architect, Frederick J. Ritter, care owner. Owner, Joseph Richardson, Media, Pa. Brick, three stories, slate roof, oak floors. Owner taking bids due August 28. E. J. Kreitzburg, 1345 Arch street, is figuring.

**Residence (alt. and add.)**, Bryn Mawr, Pa. Architects, McIlvain & Roberts, Land Title Building. Owner, Walter B. McIlvain, Bryn Mawr, Pa. Stone and frame, three stories. Architects taking bids. Graham-Champion Co., Heed Building, is figuring. (Only bidders.)

**Store (alt. and add.)**, 258 North Fifty-second street. Architects, Sternfeld, Brown &

MacIntire, 5712 Rodman street. Owner, Geo. M. Garman, 5228 Haverford avenue. Brick, two stories, slag and tile roof, electric lighting, hot water heating. Owner taking bids due September 11. The following are figuring: F. B. Davis, 35 South Seventeenth street; Frank W. Platt, 6107 Locust street; W. A. Patterson, Fifty-first and Walnut streets; F. C. Borel, 5409 Race street.

**Residence (alt. and add.)**, 2035 Walnut street. Architect, Horace Trumbauer, Land Title Building. Owner, Dr. A. C. Wood, 128 South Seventeenth street. Brick, limestone, four stories, slag roof, hot water heating, electric lighting, hardwood floors. Architect has received bids.

**Garage**, rear of 2317 North Broad street. Architects, Stearns & Castor, Stephen Girard Building. Owner, Louis Stecher, on premises. Brick, one story, 26x31 feet, Bangor slate roof, electric light. Architects have received revised bids.

**Club House (remodelling)**, Fairmount Park, Philadelphia. Architect, C. E. Schermerhorn, 430 Walnut street. Owner, Pennsylvania Barge Club, on premises. Stone and half timber, two stories. Architect taking revised bids due August 28. The following are figuring: Haibach Const. Co., Twenty-sixth and Thompson streets; A. R. Raff, 1635 Thompson street; Thomas Little & Sons, 1613 Sansom street; F. T. Mercer, 1706 Delancey street; H. C. Dahl, 213 South Eighth street; J. Sims Wilson, 1125 Brown street.

**Passenger Station**, Bellaire, Ohio. Architect, N. A. Long, Baltimore, Md. Owners, Baltimore & Ohio R. R. Co. Brick, one story, 60x80 feet, slate and slag roof, electric light, steam heat. Owners taking bids due September 3. Irwin & Leighton, 126 North Twelfth street, and Roydhouse-Arey Co., Fidelity Building, are figuring.

**Stores, Theatre and Amusement Buildings**, New Jersey avenue and Boardwalk, Atlantic City, N. J. Owners, Pier Realty Company, 409 Arch street, Philadelphia. Brick, steel, concrete, fireproof, plaster, hollow tile, hot water heat, electric light, tile roof. Plans in progress.

**Stores and Residence**, 141 Tennessee avenue, Atlantic City, N. J. Architects, Anderson and Haupt, Drexel Building. Owners, I. Mikal, 248 South Twelfth street. Brick, three stories, 18x47 feet, slag roof, electric light, hot water heat. Owner has received bids.

**Stores (alt. and add.)**, 1636 Market street.



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Architects, Henon & Boyle, 14 South Broad street. Owners, name withheld. Brick and concrete, four stories, 18x60 feet, electric light. Architects have received bids.

**Residence (alt. and add.)**, 1621 North Sixteenth street. Architect, Sauer & Hahn, 1112 Chestnut street. Owner, David T. Fleisher, Majestic Hotel. Brick, four stories, hot water heat, electric light, slag roof, hardwood floors. Architects have received bids.

**Fire House**, Lebanon, Pa. (Perseverance.) Architects, Hauer & Mowrer, 3110 Columbia avenue. Owners, City of Lebanon, Pa. Brick and limestone, two stories, 50x66 feet, slag roof, electric light, heat, reserved. Architects taking revised bids due August 29. The following are figuring: H. Buffomoyer, Shenk Bros., F. J. B. Stangler, J. H. Groiner, H. F. Gilley, and A. H. Witmer, all of Lebanon; L. L. Kreider Co., 163 West Queen street, Lancaster, Pa., Merrick Fireproofing Co., 1 Broadway, N. Y. City, and F. W. Van Loon, Denckla Building, Philadelphia.

**Fire House**, Lebanon, Pa. (Chemical.) Architects, Hauer & Mowrer, 3110 Columbia avenue, Philadelphia. Owners, City of Lebanon, Pa. Brick and limestone, two stories, 32x57 feet, slag roof, electric light, heat, reserved. Architects taking revised bids due August 29. J. H. Greiner, F. J. B. Stangler, H. F. Gilley, Shenk Bros., Zeigler & Forry, and H. Buffomoyer, all of Lebanon, Pa., are figuring.

**Residence (alt. and add.)**, 2256 North

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Broad street. Architects, Sauer & Hahn, 1112 Chestnut street. Owner, Chas. Livingston, Eighth and Federal streets. Brick, three stories, slag roof, electric light, steam heat, hardwood floors. Architects taking bids due August 31. The following are figuring: Smith-Hardican Co., 1606 Cherry street; Thos. Little & Sons, 1615 Sansom street; A. R. Raff, 1635 Thompson street; J. Sims Wilson, 1125 Brown street; Wm. R. Dougherty, 1608 Sansom street; Lam Building Co., 1001 Wood street; Jackson Dunlap, 218 North Fifty-second street.

**Residence**, Oak Lane, Pa. Architect, Bart Tourison, Land Title Building. Owner, Adam J. Hill, care architect. Stone, three stories, 37x48 feet, slate roof, electric light, steam heat, hardwood floors. Architect taking bids due August 30. The following are figuring: Wm. R. Dougherty, 1608 Sansom street; Bowers & Logan, 2010 Chancellor street; R. H. Christy, 142 Allen Lane; J. D. Jenkins, 4543 Greene street, Germantown.

**Residences (two)**, Bryn Mawr, Pa. Architects, De Forest & Soule, New York City. Supervising architect, H. C. Wise, 34 South Sixteenth street. Owner, Bryn Mawr College, on premises. Shingle, three stories, 31x31 feet, shingle slag roof, electric light, hot water heat, four bath rooms. All work will be sub-contracted.

**Store House**, Thirty-first and Ludlow streets. Architect, W. L. Blithe, 608 Chestnut street. Owners, J. T. Pugh, Thirty-first and Ludlow streets. Brick, one story, 45x55 feet, slag roof. Owners taking sub-contracts.

**Packing Plant (add.)**, Chester, Pa. Architects, Kley Eng. Co., Betz Building, Philadelphia. Owners, J. J. Buckley & Co., Chester, Pa. Brick, concrete and steel, three stories, 49x70 feet, slag roof, electric light, steam heat. Architects taking bids due August 30. J. G. Doak & Co., Crozer Building, are figuring.

**Residence**, Merion, Pa. \$9,000. Architects, De Armond, Ashmead & Bickley, 618 Chestnut street. Owners, Highland avenue Improvement Co., Arcade Building. Brick and plaster, two and one-half stories, shingle roof, electric light, hot water heat, hardwood floors. Plans in progress.

**Restaurant**, 339 Market street. Architects, Stuckert & Sloan, Crozer Building. Owners, Horn & Hardart Baking Company, 818 Chestnut street. Brick and terra cotta, two stories, 25x100 feet, tile and slag roof, steam heating, electric lighting. Architects taking bids due August 30. The following are figuring: E. E. Hollenbach, Fifteenth and Race streets; George Hogg, 1634 Sansom street; William R. Dougherty, 1608 Sansom street; F. L. Hoover & Sons, Builders' Exchange; P. J. Hurley, 1235 Cherry street; James G. Doak & Co., Crozer Building; Haibach Contracting Company, Twenty-sixth and Thompson streets; William Ferguson & Son, 405 South Twenty-first street.

**Armory**, Camden, N. J. Architect, Department of Correction and Charities, Trenton, N. J., care of F. H. Bent. Owners, State of New Jersey (Battery B, National Guards). Brick, two stories, 198x200 feet, slag roof, electric light, steam heat. Owners taking bids due September 5. The following are figuring: Metzger & Wells, Heed Building; M. P.

Wells, Witherspoon Building; P. J. Hurley, 1233 Cherry street, all of Philadelphia.

**Chapel (alt. and add.)**, Forty-fourth and Market streets. Architects, Brockie & Hastings, 1713 Sansom street. Owners, Pennsylvania Hospital for Insane, on premises. Brick, fireproof, interior alterations and new partitions. Architects taking bids due August 27. F. E. Wallace, 1210 Sansom street, is figuring.

**Building (alt. and add.)**, 7 and 9 South Eighteenth street. Architect, Guy King, 1513 Walnut street. Owner's name withheld. Brick and concrete, fireproof, six stories, slag roof, electric light, steam heat. Architect taking bids due September 4. Stacey Reeves & Sons, 1609 Filbert street; William R. Dougherty, 1608 Sansom street; H. E. Baton, Tenth and Sansom streets, are figuring.

**Store (alt. and add.)**, 1215 Walnut street. Architects, Stuckert & Sloan, Crozer Building. Owner, Standard Sanitary Mfg. Co., 1128 Walnut street. Brick, electric light, steam heat and interior alterations. Architects taking revised bids due August 28. The following are figuring: E. E. Hollenbach, Fifteenth and Race streets; George Hogg, 1634 Sansom street; Harry Gill, Jr., 2200 Germantown avenue.

**Church**, Sixteenth and Allegheny avenue. Architects, Thomas, Churchman & Molitor, 1309 Walnut street. Owners, All Souls P. E. Church for the Deaf, Franklin and Green streets. Stone, one one-half stories, slate roof. Plans in progress. To early for details.

**Factory**, Thirty-third and Arch streets. Architects, William Steele & Sons, 1600 Arch street. Owners, Electric Dental Company, 1228 Arch street. Terra cotta, brick and concrete, five stories, electric light, slag roof, steam heat. Plans in progress.

**Residence**, St. Davids, Pa. Architects, Zantinger, Borie & Medary, Fifteenth and Walnut streets. Owners, A. G. Rosengarten, 2212 Delancey street. Stone or hollow tile and stucco, two and one-half stories, 75x33 feet; win, 25x30 feet. Shingle, slate or tile roof, hot water heat, hardwood floors, electric light. Plans completed. Architects will be ready for bids in a few days.

**Garage**, Broad and Huntingdon streets. Architects, Stuckert & Sloan, Crozer Building. Owners, Kahn & Greenberg, Morris Building. Brick, terra cotta and steel, one story, slag roof, steam heating, electric lighting. Plans in progress.

**Residence**, Wayne, Pa. Architect, D. K. Boyd, Fifteenth and Walnut streets. Owner, Ira V. Hale, care of architect. Stone, two and one-half stories, 56x42 feet. Shingle roof, electric light (heat reserved). Architect taking bids, due August 31st. The following are figuring: J. D. Lengel, Wayne, Pa.; Charles B. Palmer, Wayne, Pa.; Millard N. Croll, St. Davids, Pa.; Gray Brothers, Rosemont, Pa.

**Saloon (alt. and add.)**, 1842 Market street. Architect, D. K. Boyd, Fifteenth and Walnut streets. Owner, J. J. Harrigan, on premises. Marble and wood, brick, electric light. Architect taking bids, due September 2nd. The following are figuring: P. Haibach Contracting Company, Twenty-sixth and Thompson streets; Metzger & Wells, Heed Building; F. D. Kramer Company, 1601 Spring Garden street; Thomas Little & Son, 1615 Sansom



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street; J. M. Daniels, 252 South Juniper street; A. Whitehead, 1624 Latimer street.

**Factory (add.),** Susquehanna avenue and American street. Architects, Ballinger & Perrot, 1211 Arch street. Owners, Dungan-Hood Company, on premises. Brick, concrete, five stories, slag roof, electric light, steam heat, elevators. Architects taking bids, due September 3rd. The following are figuring: Cramp & Co., Denckla Building; Irwin & Leighton, 126 North Twelfth street; Turner Concrete Steel Company, 1314 Arch street; P. Haibach Contracting Company, Twenty-sixth and Thompson streets; B. Ketcham's Sons, 1029 Brown street.

**Factory,** D and Ontario streets. Architect, private plans. Owners, Ontario Dyeing Company, D and Ontario streets. Brick, two stories, 60x150 feet. Slag roof. Owners taking bids, due August 31st. The following are figuring: P. J. Hurley, 1233 Cherry street; George Thirsk, 4413 Frankford avenue; Harry Brocklehurst, 512 West Norris street.

**Store and Office Building (alt. and add.),** 7 and 9 South Eighteenth street. Architect, Guy King, 1513 Walnut street. Owner, William Henry Maule, 1707 Filbert street. Brick and concrete, fireproof, eight stories, electric light, steam heat, elevators. In addition to those previously reported, A. Whitehead, 1624 Latimer street, is figuring.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Twin Residences,** 5035-37 Pulaski avenue. Architect, A. B. Lacey, 1012 Walnut street. Owner's name withheld. Brick, three stories, 18x58 feet, hot air heat, slag and tin roof. Contract awarded to W. J. Cowell, 943 East Cheltenham avenue.

**Parrish House,** Firth and Collins streets. Architects, George Nattress & Sons, Twelfth and Walnut streets. Owners, P. E. Church of the Good Shepherd. Stone and brick, two and one-half stories, 40x89 feet, slag roof, electric light, steam heat. Contract awarded to Jos. A. Hand, 8029 Frankford avenue.

**School,** Norwood, Pa. Architect, R. Peddle, 136 South Fourth street. Owner, School Board, care Jacob F. Loos, secretary, Norwood, Pa. Stone, two stories, ten rooms, slate roof, heating and ventilating, separate bids, electric lighting. Contract awarded to H. L. Brown, 1714 Sansom street.

**Barns and Shops,** Tenth and Luzerne Sts. \$250,000. Architect, H. B. Nichols, Eighth and Dauphin streets. Owners, Philadelphia Rapid Transit Company, Eighth and Dauphin streets. Brick, concrete, one and two stories, electric light, slag roof, 375x600 feet. Contract awarded to Unit Construction Co., Leggett Building, St. Louis, Mo.

**Museum,** Fortieth and Spruce streets. \$500,000. Architect, J. T. Windrim, Commonwealth Building. Owners, Thomas W. Evans' Museum, University of Pennsylvania. Brick, limestone and steel, fireproof, three stories, 242x161 feet, slate roof, steam heating, enameled bricks. Contract awarded to Pomerooy Construction Co., 1609 Ranstead street.

**Factory,** Marcus Hook, Pa. \$20,000. Architect, private plans. Owners, United Roofing and Manufacturing Co., Morris Building. Brick, two and three stories, 60x200 feet, and 43x160 feet, Congo roofing, electric lighting. Contract awarded to W. W. Lindsay & Co., Harrison Building.

**Settlement House (remodelling),** 1235 Pine street. \$9,000. Architect, L. B. Rothschild, Bulletin Building. Owner, Edwin A. Fleisher, 2220 Green street. Brick, three stories, steam heating, electric lighting, new plumbing. Con-

tract awarded to Alex. Chambley, 243 South Tenth street.

**School,** Newark, N. J. \$172,918. Architect, E. F. Guilbert, Newark, N. J. Owner, Board of Education, Newark, N. J. Brick, terracotta and steel, fireproof, three stories, slag and tile roof, direct steam heat and electric light. Contract awarded to Abel Bottom's Sons & Co., 41 South Fifteenth street, who submitted the lowest bid.

**Sanitarium,** Hamburg, Pa. \$510,000. Architects, Welsh, Sturdevant & Poggi, Wilkes-Barre, Pa. Owner, State of Pennsylvania, care of S. G. Dixon, Nineteenth and Race streets, Philadelphia. Brick and frame, one and two stories. Consists of dining and administration buildings (two), connecting corridors and power house and laundry. Contract awarded to Mosier & Summers, 1266 Seneca street, Buffalo, N. Y.

**Sunday School,** Fox Chase, Pa. Architect, W. L. Blithe, 608 Chestnut street. Owner, Fox Chase Memorial Church. Stone, one story, 63x38 feet, slate roof, steam heating. Contract awarded to Joseph Ashby, Fox Chase, Pa.

**Generator and Turbine House,** Tacony, Pa. Architects, Sax & Abbott, Hale Building. Owners, H. Disston & Sons, Inc., Tacony, Pa. Brick, one story, 25x93 feet, slag roof, electric light. Contract awarded to F. W. Van Loon Denckla Building.

**Bank (alt. and add.),** Seventh and Market streets. Architects and engineers, Wm. Steele & Sons, 1600 Arch street. Owners, Penn National Bank, on premises. Brick and stone, four stories, 44x56 feet, slate and slag roof, electric light, steam heat, elevators. Contract awarded to Wm. Steele & Sons, 1600 Arch street.

**Office Building,** Palmerton, Pa., \$50,000. Architect, Chester A. Patterson, New Rochelle, N. Y. Owners, N. J. Zinc Company of Pennsylvania, 55 Wall street, New York City. Brick, limestone trimmings, Roebing system of fireproof floors, three stories, 73x44 feet. Slaw roof, steam heat, electric light. Con-

tract awarded to Sax & Abbott, Hale Building.

**Factory,** 2412-24 South Sixth street, \$18,000. Architects, J. D. Allen & Co., Denckla Building. Owners, Southwark Paper Box Company, 757 Passyunk avenue. Brick, three stories, 50x90 feet, electric light, slag roof, steam heat, elevators. Contract awarded to F. Roe Searing, Perry Building.

**Store Room and Paint Shop,** Eleventh and Wharton streets, \$5,600. Architects, Anderson & Haupt, Drexel Building. Owners, 44 Cigar Company, Eleventh and Washington avenue. Brick, two stories, 30x107 feet. Slag roof. Contract awarded to H. C. Dahl, 213 South Eighth street.

## Alterations and Additions

Mrs. J. Hope (O), 1112 North Forty-first street. Warren E. Biscoe (C), 3954 Ludlow street. Cost, \$566. Store and dwelling, 230 South Eighth street.

Girard Estate (O), Stephen Girard Building. F. G. English (C), 1608 North Carlisle street. Cost, \$1,600. Building, 12 North Delaware avenue.

E. T. Statesbury (O), 1925 Walnut street. Wm. Steele & Sons (C), 1600 Arch street. Cost, \$8,000. Residence.

B. Gordon (O), South Sixth street. Cost, \$7,000. Hall, Fairmount avenue and Franklin street.

Wm. Conway (O), Fifty-eighth and Walnut streets. Basch Co. (C), 402 Cherry street. Cost, \$900. Store, Juniper and Filbert streets.

J. B. Stetson Co. (O), Fifth and Montgomery avenue. Cost, \$1,500. Garage.

W. W. Frager (O), Jenkintown, Pa. Henry Specht (C), Willow Grove, Pa. Cost, \$2,000. Dwelling, 928 Locust street.

The Storage Battery Co. (O), Nineteenth and Allegheny avenue. Chas. McCaul Co. (C), Tenth and Samson streets. Cost, \$18,000. Platform.

J. G. Vogler (O), 614 Chestnut street. Gaffney Co. (C), 130 North Twelfth street. Cost, \$3,100. Stores, 1211 Race street.

Board of Education (O), Land Title Building. Cramp & Co. (C), Denckla Building. Cost, \$10,000. School, Eighty-eighth and Tini-cum avenue.

United Gas Improvement Co. (O), Broad and Arch streets. Cost, \$3,000. Valve house. Belfield avenue and Wister street.

S. Greenwald (O), 319 South street. Louis Siegel (C), 8405 Eastwich avenue. Cost, \$1,000. Dwelling, 2719 Girard avenue.

Currie Bros. (O), 1402 North Front street. Jos. Irwin (C), 1704 North Second street. Cost, \$1,200. Dwelling, 1403 to 07 North Hope street.

J. Pfiefer (O), 311 North Third street. Lucchi & Padolise (C), 1646 Ellsworth street. Cost, \$2,725. Dwelling and stores. Eleventh and Norris streets.

Philadelphia Fair Association Co. (O), Byberry, Pa. W. J. Stevens (C), Wyncote, Pa. Cost, \$4,300. Stand.

C. A. Asher (O), 204 West Rittenhouse street. H. H. Hudson (C), 156 Queen street. Cost, \$1,800. Dwelling.

H. E. Cassell (O), 2717 North Twelfth street. Cost, \$2,000. Stable, Carlisle and Huntington streets.

Sarah Moran (O), 5325 Market street. A. Whitehead (C), 1624 Latimer street. Cost, \$700. Store and dwelling.

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H. B. Hunt, Jr. (C), 1117 South Forty-seventh  
street. Cost, \$1,000. Shop, 5625 Haverford  
avenue.

Wm. Huff (O), 1212 Rockland street. Cost,  
\$1,400. Dwelling.

C. L. Fretz (O), Sixty-eighth avenue and  
Haines street. Cost, \$700. Garage.

S. Lackier (O), 1912 North Fourth street.  
S. Caplan (C), 1532 South Fourth street.  
Cost, \$2,000. Dwelling and store.

W. A. Skicher (O), Camden, N. J. J.  
Dunlap (C), 1510 Melon street. Cost, \$1,215.  
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The Premier Brewing Co. (O), 844 North  
Orianna street. D. F. Wholey (C), 1109 In-  
diana avenue. Cost, \$4,500. Store and dwell-  
ing, brick, two stories, 14x67 feet, 2501 East  
Allegheny avenue.

Buskhalder & Strunk (O), 5918 North  
Ninth street. Cost, \$4,000. One dwelling,  
brick, three stories, 35x32 feet, Twelfth and  
Medary avenue.

G. R. Nicholi (O), Wissahickon avenue. M.  
S. Oberholtzer (C), 5524 Pulaski avenue.  
Cost, \$11,000. One dwelling, brick, three  
stories, 48x35 feet, Wissahickon avenue and  
Kitchen lane.

M. & S. Apt (O), 721 Arch street. Royd-  
house-Arey Co. (C), 1209 Fidelity Building.  
Cost, \$30,000. Factory building, brick, six  
stories, 39x140 feet.

St. James' Church (O), Eighth and Reed  
streets. J. S. Cornell & Sons (C), Land Title  
Building. Cost, \$30,000. Church, brick, three  
stories, 40x60 feet.

H. Bower Chemical Manufacturing Co., 2815  
Grays Ferry road. Cost, \$5,000. Factory,  
brick, one story, 28x146 feet.

George Abbott (O), Thirty-first and Ludlow  
streets. Cramp & Co. (C), Denckle Building.  
Cost, \$40,000. Dairy, brick, three stories, 64x  
80 feet.

Henry Vran (O), 509 South street. Cost,  
\$4,000. One dwelling, brick, three stories.  
24x24 feet, Fifth and Lombard streets. Cost,  
\$3,000. One dwelling.

B. Robbins (O), 240 Ashmead street. Cost,  
\$12,000. Factory, brick, three stories, 57x105  
feet, 250 Ashmead street.

Karmel Presbyterian Church (O), Nine-  
teenth and Susquehanna avenue. J. F. Zeh  
(C), 5119 Mervine street. Cost, \$2,400. Three  
stores, brick, one story, 16x18 feet. Cost,  
\$900. One store, Nineteenth and Susqueh-  
anna avenue.

E. A. & B. L. Carroll (O), Sixtieth and  
Girard avenue. Cost, \$8,000. Residence,  
brick, three stories, 26x30 feet, Lincoln Drive  
and Westview avenue.

J. J. Foley, Jr. (O), 1012 Rockland street.  
Cost, \$48,000. Twelve dwellings, brick, two  
stories, 16x53 feet, Third and American St.  
Cost, \$52,500. Fifteen dwellings. Cost, \$59,-  
500. Seventeen dwellings. Cost, \$7,000. Two  
dwellings. Cost, \$5,400. Three dwellings.

Robert Krook (O), 3424 North Twenty-first  
street. E. L. Cuthbertson (C), 234 Roxbor-  
ough avenue. Cost, \$25,000. Factory, two  
stories, brick, 62x168 feet. Cost, \$2,000.  
Boiler house. Main and Jamestown streets.

American Pulley Co. (O), 4200 Wissahickon  
avenue. Cost, \$60,000. Storage, brick, one  
story, 150x80 feet, Juniata and King streets.

Calbert & Smith (O), Stephen Girard Build-  
ing. Allegheny Improvement Co. (C), 2735  
West Somerset street. Cost, \$72,000. Thirty  
dwellings, brick, two stories, 16x31 feet.  
Cost, \$3,500. Store and dwelling, Twenty-  
sixth and Indiana avenue.

Ed. J. Brady (O), 4049 North Reese street.  
Cost, \$2,000. One dwelling, brick, two stor-  
ies, 16x41 feet. Cost, \$9,000. Five dwellings,  
Bockins and Mercer streets.

Mrs. J. S. Martin (O), Overbrook, Pa. A.  
L. Fretz (C), 1222 Chancellor street. Cost,  
\$20,000. Dwelling, brick, three stories, 32x53  
feet, Sixty-fourth and City Line.

San Freister (O), Eighth-third and East-  
wick avenue. Louis Siegel (C), 8405 East-  
wick avenue. Cost, \$3,500. Store and dwell-  
ing, brick, two stories, 16x52 feet.

Church of the Good Shepherd (O), Cumber-  
land and Collins streets. J. A. Hand (C),  
8029 Frankford avenue. Cost, \$20,000. Store,  
two stores, 18x80 feet, Fifth and Collins  
streets.

Stead Miller Co. (O), Fourth and Cambria  
streets. H. Brocklehurst (C), 512 West Nor-  
ris street. Cost, \$9,000. Factory, brick, four  
stories, 22x85 feet, Bodine and Huntington  
streets.

Cost, \$9,000. Six dwellings, two stories, brick,  
16x28 feet, 4721 to 31 Thompson street. Cost,  
\$1,800. One dwelling.

A. Levis (O), 823 Winton street. Cost,  
\$8,000. Four dwellings, brick, two stories,  
14x36 feet, Seventy-eighth and Ashwood  
streets.

C. C. Cam (O), 1654 Dyer street. Cost,  
\$6,000. Two dwellings, brick, two stories,  
16x44 feet, 5105 to 07 Willow street.

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**THE FRANKLIN PAPER CO., Inc., 718-720 Cherry Street, Phila.***Distributing Agents***STEEL VS. CONCRETE****Reply to German Critic of Reinforced Concrete Construction**

At a meeting of the Association of German Ironmasters, held at Dusseldorf, Herr Fischmann, representing the Steel Union, read a paper on the use of steel in building. The greater part of this paper was devoted to a comparison of construction in steel and in reinforced concrete, greatly to the disadvantage of the latter. The Council of the German Concrete Association, considering that the paper in question does not present fairly the relative qualities of the two systems, has issued a formal reply.

Herr Fischmann attributes the decline in the output of steel sections, from 1,200,000 tons in 1906 to 830,000 in 1908, in part to the development of reinforced concrete. It is pointed out, however, that the change is really due to market fluctuations, the output in 1909 having again risen to 1,045,000 tons. There is an admitted increase in the output of steel rods used as reinforcement; and if this has meant a decline in the use of rolled joists, the result is a transfer, but not a diminution, of the production. This will be realized on considering the number of purposes now fulfilled by reinforced concrete, thus causing a demand for steel for which steel was not formerly used at all. Such, for instance, are foundations, rafts, piles, wells, retaining walls, embankments, silos, loading stages and inclined planes, external walls and roofs, reservoirs of all kinds, canals and aqueducts, fortifications, dams, chimneys, monumental towers, reinforced concrete bridges as substitutes for masonry or massive concrete, etc. The progress of reinforced concrete, therefore, although it may react unfavorably on the production of joists, cannot but be beneficial to the steel industry as a whole.

The increase in the use of reinforced concrete is due not merely to its cheapness, but, to a much greater extent, the actual advantages which it possesses over steel. The first of these is its greater safety when exposed to fire or to corrosive influences. Whilst unprotected steel expands and softens under the influence of great heat, thus becoming actually a destructive agent, steel properly embedded in cement concrete is to be regarded as a true fire-resisting material; hence its advantage in the construction of houses, schools, theatres, factories, warehouses, etc. The same security is given against rust, thereby preserving the steel and saving the expense of repeated repainting.

The monolithic character of a reinforced concrete structure is not only a guarantee of stability, but also facilitates erection from the fact that the entire structure is erected in the same manner by the same contractor; and the delays and friction inevitable when a number of contractors share the building, as when the materials are steel and brick, are avoided. The great adaptability of reinforced concrete is a further advantage, and gives greater scope to the artistic architect than does steel skeleton construction, a suitable architectural style for which has not yet been evolved.

Herr Fischmann remarks that the statical computation of reinforced concrete structures is still very obscure. The reply made that certain difficulties still remain in both systems of construction, but that the vast amount of experimental work completed or in progress in the great testing stations actually places reinforced concrete in a superior position to steel, the introduction of which antedates the founding of these laboratories, so that its statical rules were necessarily arrived at on theoretical grounds.

How steel construction suffers from its lack of experimental work, is seen from Prof. Bach's experiments on U-beams, published in 1909 and 1910, from which it appears that the strength of such beams fell in all cases below that calculated, to the extent of from 8 to 34 per cent. in the case of loading in the plane of the principal vertical axis. The factor of safety of reinforced concrete structures actually increases in the course of years, owing to the progressive hardening of the concrete. No case is known in which a structure properly erected in accordance with the official method of computation has proved insufficiently strong. The monolithic character of such structures gives them an exceptional power of adaptation to dynamically varying stress.

The objection is also raised that the construction of a reinforced concrete building in accordance with the design is very difficult. This is not the case, and accidental variations in the placing of the reinforcing rods still leave a wide margin of safety. The error from this source does not exceed that due, in steel construction, to the eccentric placing of flanges, effects due to torsion, and the like. The custom of neglecting the tensile strength of the concrete is a further safeguard. The strange remark is made by Herr Fischmann

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that, should the reinforcing rods happen to be, for example, 10 mm. in diameter instead of 11 mm., the quantity of metal introduced would be insufficient. It would, however, be remarkable if a modern rolling-mill were to send out material so variable in size. Actually, owing to the wear of the rolls, rods are commonly slightly thicker than their nominal section.

The variability of concrete is a further objection raised against it. It is true that concrete from two different sources may differ widely in properties; but the experimental work already accomplished has made it perfectly possible to determine what will be the strength of a concrete prepared from given materials under given conditions. By the German regulations the contractor is bound to satisfy the building authority that the materials and mode of mixing he employs actually yield concrete of the strength required, by means of tests on 28-day blocks, or, when this would cause too long a delay, by tests after 14 days, the 28-day tests being carried out subsequently as a confirmation. Small variations in the strength of the concrete are negligible, in view of the fact that the compressive stress allowed is only one-sixth of the breaking stress. In steel under tension, whether in steel structures or in reinforced concrete, the determining quality is the elastic limit, and this is only two-and-a-half to three times the stress allowed. Further, a building is not usually loaded until



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more than 28 days after its erection, and the strength of the concrete is then greater than that indicated by the tests.

The comparison made by the reader of the

paper is between badly constructed reinforced concrete work and well-constructed steel work. This is not a fair method of comparison. Disasters due to bad work or faulty design have occurred in recent years in structures erected according to both systems, but are not to be attributed to inherent defects of these systems.

Herr Fischmann attributed a part of the progress of reinforced concrete to the fact it is a novelty. This is contrary to all experience. In no industry is there more conservatism than in building. This is easily conceivable when we remember that buildings represent the sinking of large capital, and that they are intended to be permanent. Builders and owners are therefore naturally reluctant to use any but well-known materials or methods, or to adopt any novelty the use of which may be attended by risk.

As a matter of fact, concludes the Council of the German Concrete Association, reinforced concrete construction has had to contend with many prejudices and with much opposition; and if, in spite of this, its progress is a triumphal one, it owes it in the first place to the simple and rational principles underlying it, and to the technical and commercial advantages which result therefrom.

**TRADE MAGAZINE SERVICE THE  
BEST.**

The high-class trade journal is the best possible representative of the interests of the particular industry it covers. Its editors understand all the technique of the industry, its needs, limitations, and possibilities; and through this special knowledge the trade paper wields in its field an influence unequalled in scope and power by any other kind of publication. It works for the greatest benefit of its readers and advertisers, not only in their own immediate circle, but among the public also; for in its sphere the trade paper is known to speak from a complete knowledge of all the facts concerned, from a fund of information and experience unknown to the newspapers or magazines read by the public generally.

To its advertisers the trade journal can offer the services of a corps of trained men, experts in the preparation of commercial or technical advertisements and reading notices, writers who speak with authority because they are thoroughly familiar with their subject.

The feature of reading notices emphasizing the general or special offerings of manufacturers or jobbers cannot be over-estimated as to its value in placing before the reader correct descriptions in terms understood by the trade. Such reading notices are an inseparable part of the service rendered to the advertiser, and conjoin with personal efforts in the interests of publicity for him.

Another feature of a high-class trade paper is that it is regarded as a directory of the trade, which is used alike by the new concerns and the older houses to keep in touch

with trade affairs; and the constant advertiser gets the benefit of his enterprise in having his name always before the readers, and so securing preference in orders.

Circulars, books, and similar publicity methods are not at all comparable with an attractive announcement in a trade paper, as they are regarded as biased personal statements, and weighed as such.

The powerful influence of a conservative, reliable trade journal among the dealers must be acknowledged, and the advertiser receives the benefit of this influence. The care with which every number of a trade paper is scrutinized by its readers is continually being demonstrated. The mis-spelling of a name or some other trifling error or omission is noted immediately by readers, whether they be in Tallahassee or Spokane, and they lose no time in suggesting the necessary correction.

Such services as these, and more, the reputable trade paper or magazine is always prepared to render, and it has the power as well as the desire to make its influence felt whenever and wherever it seems to be demanded in the interest of the special industry or trade it represents.—Cement World.

**HOW TO SECURE FOREIGN BUSI-  
NESS.**

The International Commercial Intelligence Bureau, with its offices in Amsterdam, Brussels, and Hamburg, has recently opened a branch office at 170 Fifth avenue, New York, in order to facilitate its connections. This bureau aims to promote commerce between the different countries, and offers its service free of charge to every firm. As a result of several years of unremitting work, the International Commercial Intelligence Bureau not only has the best relations with manufacturers and exporters, but is in close touch with reputable merchants, importers, and large consumers in almost every quarter of the globe. Special correspondents all over the world are constantly keeping the bureau informed of the development of international trade. Owing to its reliable connections, the International Intelligence Bureau is able to secure useful information for manufacturers and importers. The bureau does not accept any commission.

The publication service of the International Commercial Intelligence Bureau is a system of printed commercial information for the benefit of exporters and importers. Five publications are regularly issued and circulated monthly to the extent of about 30,000 copies all over the world, making a good propaganda for members and advertisers of the bureau.

"International Review" and "Continental South Africa Guide" are published in English, "Revista Commercial" in Spanish, "Exportblad" in Dutch, and "Mail Editie" in the Malaisch language. Write for further information.



## WHO ARE ENGINEERS?

### Proposed Change of Name for the Illuminating Engineering Society

Albert Jackson Marshall, of 125 Duncan avenue, Jersey City, has suggested to the Illuminating Engineering Society of which he is a member that its name be changed to "American Institute For the Improvement of Lighting."

In a letter addressed to the secretary Mr. Marshall argues that the society is not an engineering society, and that there is a difference between "illumination" and "lighting." He says:

"The name of the Illuminating Engineering Society is a misnomer. It does not reflect a consideration of light—both natural and artificial—in all its aspects, although it may reflect the attitude of the society toward the subject.

"In the first place, the word 'illumination' should not play a major part in the name, for, as a matter of fact, that which we are most concerned in is Light—the judicious use of light—illumination is but a by-product of light. It is possible to obtain light without illumination, but it is impossible to get illumination without light.

"With the advent of some present methods, as regards the use of light, emphasis was laid upon the idea that it was not light that should receive our chief thought, but illumination, for it was possible to have much light and inadequate illumination; also that light and illumination were two distinct things. To be different rather, than endeavoring to rectify misunderstanding, the word 'illumination' was seized upon—and over-capitalized, both commercially and scientifically. And it found itself a conspicuous part of the title of a society founded to equitably consider all phases of light and intimate associations.

"If the Illuminating Engineering Society was supposed to be concerned only in illumination' might be acceptable; but the society, as founded, irrespective of how it may have been conducted, or what some of its members may stand for, is most vitally concerned with 'light'—its application and the effects resulting therefrom. Therefore, 'light' or 'lighting' should occupy the place now given to 'illumination' in the name of the society.

"It might be well to here realize that sign, decorative, spectacular, outline-lighting, etc., all of which are extremely important, might be, and usually are, examples of light

without illumination, in the accepted sense of the word, and therefore might find more agreeable association in 'lighting.' There are other similar examples.

"Now as regards the word 'engineering.' I well appreciate the wondrous beauty and significance of this word, as extolled by some of its enthusiastic supporters. To some, engineering is associated—and directly—with heaven itself, for do we not engineer our way to the 'pearly gates,' and is it not engineering that makes our very life possible, and is it not the most euphonious and valuable word of our language? It stands for every sensible act, and, therefore, is most appropriate in designating all intelligent considerations involved in the subject of light.

"Such may be one viewpoint, but, fortunately, there are other ideas worthy of consideration. It matters not what definition some dictionary may accord a word, or how it may be viewed academically; it is the general accepted sense that concerns practical people. The word 'engineer' by most people, is regarded largely as 'one skilled in mathematics and mechanics, and one who superintends works for military or civil objects; one who runs an engine.' And a great many valuable and influential persons do feel, and with just cause, that the Illuminating Engineering Society is primarily an 'engineering' institution, whereas, as those who are qualified know, the strictly engineering features play but a small part of the average successfully designed and applied lighting scheme, for other phases entering therein are of equally, if not greater, value.

"The society is not an 'engineering' body, though its name so states.

"Further, most people are inclined to feel that the engineer deals primarily, if not solely, with physical conditions, and usually is not educated or lacks the experience to fully appreciate the value and need of Beauty. There may be some engineers who have a well developed appreciation for beauty, but there are very few, relatively, who understand the means to such end, or who know the true value of beauty upon our existence, and who constantly and systematically assist in its realization. This idea is not only had by the public, but is shared by such very important interests as architects, decorators, fixture manufacturers, etc. These interests are conspicuous in the Illuminating Engineer-

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ing Society by their absence. Some of them may be brought into the society as it now stands, but active, constructive co-operation with these and other important interests, would be the more quickly established if decided readjustments in the society were made.

"Then, there are the representatives of gas and electric companies, and manufacturers of lighting equipment. There are represented in the membership of the society a number of these extremely important persons—and remember, it is these people who are responsible, or who have some relation with the larger part of all lighting installations—yet, they represent a very small number, by comparison, with what could and should be the case. Also, the interest of this class of membership is not nearly so great as it could or should be. Why? Are these people, also architects, physiologists, psychologists, fixture manufacturers, etc., wholly to blame? Is the Illuminating Engineering Society to blame? Is the Illuminating Engineering Society doing all in its power to promote these interests? No! Will the act of changing the name of the society perfect conditions? No! But it will do this—make the name truly reflect the object of the society without a lot of unnecessary explaining, and largely eliminate mis conception—ofttimes dangerous: make it agreeable to all professions interested to become affiliated and with the respect for their dignity, and the increased

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breadth, as reflected by a truer and more comprehensive name, will, in itself, assist in broadening the attitude and efforts of those now interested in the society; for "clothes" have a bearing, not only on appearance, but likewise upon one's mental condition, and if the name of the society was of a broad, practical nature, we doubtlessly would make an effort to adjust ourselves thereto."

**VIGILANCE THE PRICE OF GOOD  
CONCRETE.**

Big things are sometimes easier to do than little ones. This is true, for example, of obtaining reliable concrete. On huge structures, such as those of the Panama Canal

locks and the Mississippi dam and power works at Keokuk, Iowa, a perfection is possible in the concrete work, which is practically out of the question on any ordinary concrete job; but certainly, as was recently pointed out by "Engineering News," the way average concrete is laid leaves large possibilities for improvement.

Take the average concrete laid on street or foundation work; and whatever the engineer's specification may call for, this is what one commonly finds: For materials, whatever sand and stone or gravel the facility will furnish cheapest, with ashes—called by courtesy "cinders"—introduced as a variant. The ingredients are measured by counting the number of shovelfuls thrown into a heap; and if Tony loses count, stopping when the batch looks about right. Then mix it by shoveling the pile over and over—hard back-breaking work. The engineer himself would slight the mixing if he had to furnish the muscle. The mix is shy of water, and has to be in order to permit shovel mixing; and even at that, more or less cement flows off on the street surface, or seeps through the cracks in the mixing platform. To save it, more or less street dirt is scraped up and goes along into the mix.

By skillful use of mortar and trowel, concrete made in this way is given a fine surface finish and made to look like an excellent job; but the body of the concrete is of very variable composition and strength, and the weak places yield under the influence of percolating water, ice formation, stresses, and general wear and tear.

It is very difficult to make the average small contractor or concrete workman take the pains to make high-class concrete, for he

has found by experience that making it with any old materials any old way produces results which so far as he can see are good enough. In city work, particularly, it is hard for an engineer to make a contractor do his work in the best way, for the latter is apt to be held in high esteem by the city councilmen as a "practical" man, while the refinements the engineer desires to obtain are looked upon as useless theoretical hair-splitting. Often it is not until the engineer can point to curbs battered to pieces, sidewalks cracked, and retaining walls weeping at the courses or bulging from weak forms, that he can secure the enforcement of his specifications to the letter.

There is a scarcity, without doubt, of concrete contractors who will execute work in the most thorough manner, and of concrete workmen who will give conscientious care to their tasks. But given such contractors and such workmen, achievements are possible in concrete work which many engineers hesitate under present conditions to undertake.

**PORTLAND CEMENT IN THE  
SOUTH.**

The South is now producing more Portland cement than did the whole country in 1900. In that year the production in the country was 8,482,020 barrels. In 1911, ten Southern States—Alabama, Georgia, Kentucky, Maryland, Missouri, Oklahoma, Tennessee, Texas, Virginia, and West Virginia—produced 10,881,415 barrels, an increase of 7.9 per cent. over the production in those States in 1910, while the increase in production in the rest of the country was only 2.6 per cent. Between 1900 and 1911 the increase in the South was from 125,479 barrels produced by four plants to 10,881,415 barrels produced by 22 plants. Both as to the number of plants and as to the output, the rate of increase in the South was much greater than in the country as a whole. In 1900, the 50 plants of the country produced 8,482,620 barrels, and in 1911 the production was 78,528,637 barrels by 115 plants.

The South has immense resources, widely distributed, of materials for the manufacture of Portland cement, and can really be said to have only begun to use it in lines of construction, which are constantly expanding in number.

The most valuable asset in any business undertaken is brains. A necessary asset is money. Opportunities come to us all, but are not always grasped when they knock at our door. The big opportunities come and remain with the man who can combine an investment of money, however small, with a large investment of brains.—Exchange.

The finest automobile will not run when the tank is empty, and the finest space can not pull unless it is filled with copy that grips interest.—"Printer's Ink."



## Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

**\*\*Klein & Koen**, architects and engineers, have moved their offices to 9 Debevoise street, between Broadway and Graham avenue, Brooklyn.

**\*\*Robert Ridgway**, at present engineer in charge of subway construction in New York City, has been appointed by the commission to act as chief engineer during the absence of Alfred Craven, chief engineer, on his vacation.

**\*\*The United States Civil Service Commission** announces an exhibition on September 11-12, Engineer Draftsman, to secure eligibles from which to make certification to fill vacancies as they may occur in the position of engineer draftsman (male), at entrance salaries ranging from \$1,600 to \$2,000 per annum, in the supervising architect's office, Treasury Department, Washington, D. C.

**\*\*Carrere & Hastings**, 225 Fifth avenue, New York, are completing plans for the new Fifth avenue mansion which Henry C. Frick, with offices in the Frick Building, Pittsburg, Pa., is to erect in the block front on the east side of Fifth avenue, from 70th to 71st streets at an approximate cost of \$4,000,000. The construction will be of marble and the building will cover the entire 200-foot frontage. The project also includes a guests' residence at the southeast corner of 70th street, and a servants' quarters at the northeast corner of 71st street. A large art gallery will also be a feature. The general contract has not yet been awarded.

**\*\*According to the official report on the collapse of the steel framework of the two-story building in course of erection at Livingston and Hoyt streets, Brooklyn**, the cause of the failure was insufficient bonding. It was found upon examination that in no case had the beams, where lapping upon the supporting framework, been spiked or strapped together. Neither had the beams been spiked to the framework, nor did the uprights of the framework have any diagonal bracing to prevent such a collapse. The Lally columns supporting this roof tier were finished with a flat top, to which the girder was secured by means of two bolts on each side. This formed a longitudinal tier, but no provision was made for a transverse tier of any character.

**\*\*In accordance with the action taken by the executive committee of the Merchants' Association against the proposal included in the Sundry Civil Appropriation Bill, now pending in Congress to repeal the Tarsney Act**, President Towne has addressed a letter to each United States Senator urging him to use in best efforts to prevent the repeal

of the Act. The present law enables the Government to avail itself of the best architectural ability in the country, and the proposed change would have a serious effect upon the character and usefulness of Federal buildings.

**\*\*F. M. Andrews & Co.**, 1 Madison avenue, New York City, architects for the new thirty-six story building to be erected on the Equitable site, covering the entire block bounded by Broadway, Pine, Nassau and Cedar streets, are engaged in laying out the tentative plans. Details of materials, construction and equipment cannot be announced before September 15.

The general arrangement of the floors will be as follows: Above the ground floor will be a mezzanine, sub-divided into spaces for brokers, shops and other offices; second floor, for banking purposes, and from the third to the thirty-sixth floor provision will be made for general office purposes.

A feature of the ground floor will be an arcade, two stories in height, extending from Broadway to Nassau street, and beneath which will be a thoroughfare leading from the Broadway Subway to Wall street and the adjacent district. On each side of this arcade will be shops for retail purposes, together with the battery of elevators required for service to the upper floors. There will also be an arcade leading from Pine to Cedar streets.

The estimated cost of the new building alone without the cost of land is approximately \$8,000,000, although this figure depends entirely upon the ultimate selection of equipment and construction which is yet undecided. The owners will take possession on December 16 next, when the work of construction will commence. It is expected that the building will be ready for occupancy by May 1, 1914. Ernest Graham, of Chicago, will be associated with F. M. Andrews & Co., as consulting architect. The general contractors are the Thompson-Starrett Company, of 50 Wall street.

**\*\*The Alabama Metal Products Company**, Birmingham, Ala., recently incorporated, will begin about October 1 to manufacture a complete line of metal products, including metal shingles, corrugated roofing iron, conductor pipes, ridge rolls, metal ceilings, cornices, etc.

**\*\*A novel departure in methods of shipping Portland cement was recently made by the Universal Portland Cement Company when it shipped a carload in bulk from its plant at Buffington, Ind., to the block and sewer pipe factory of the Pennsylvania Coal & Supply Co., at Milwaukee, Wis.** The cement

reached its destination without signs of loss or damage. It was taken out with shovels stated to have caused no more dust than the handling of cement in sacks. Some of it was wheeled directly to the mixing plant of the purchaser, and the rest was stored in a bin.

The company had reached the decision that if it is possible to dispense with a 40-cent package for 70 to 80 cents' worth of cement, the industry will be well served. It is by no means improbable that bulk shipments will be found desirable where the facilities at the receiving end warrant this method of transportation. On large construction work the saving in price will be sufficient, in all probability, to permit contractors to provide special arrangements for unloading and receiving the shipments in such a way as to prevent any deterioration in quality.

**\*\*Pennsylvania building brick manufacturers have evidenced considerable interest in the meeting of the Ohio State Brick Manufacturers Association**, which was held a few days ago in the Hollenden Hotel at Cleveland, O. There were 14 pressed brick manufacturers represented at the Cleveland meeting and some of these were from the Western Pennsylvania territory. The subject of freight rates was given a thorough discussion. F. G. Vhavin, of the Hydraulic Pressed Brick Co., of Cleveland, is president of the association, while Capt. R. L. Queisser, of the Queisser-Bliss Brick Co., of Cleveland, is secretary. The next meeting of the association will be held in Toledo, O., in October.

**\*\*The Osceola Silica and Fire Brick Co.**, of Pittsburgh, is installing a new fire clay mill at its plant at Osceola Mills, over in Clearfield County. The plant will be operated to capacity.

**\*\*At a meeting of the officials of the National Fireproofing Co.**, which was recently held, plans were approved for the re-financing of the company. This concern is doing the heaviest business in its career.

**\*\*The Blackfox Brick Co.**, manufacturers of shale brick, which has been chartered under the laws of New Jersey, has opened an office in Pittsburg, where display rooms are being maintained at 111 Market street, in the rooms of the Builders' Exchange.

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And a man may lie,  
And a man may puff and blow;  
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Waiting for business to grow.

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The man that doesn't advertise nowadays is a barnacle. And he ends up like a barnacle by being scraped off.

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# Editorial Comment

A Long Island development company engaged ten well-known architects to submit fifty designs, five each, for modern suburban homes. Out of the fifty designs thus submitted ten were selected as pick and erected upon one of the most charming sites in or near New York City. The result is a colony unusually attractive, in which the homes have a charm, quite unusual to operative houses, that of individuality and distinctiveness. These houses, although much more costly than the average operative house of their size, have found ready sale to purchasers of a most exclusive class. It is announced that the erection of ten more of these homes will be begun at once, so insistent is the demand.

While it is, of course, not easy to put into the average small suburban home the distinctive touch demanded by persons of refined taste, the plan followed in the instance cited by this Long Island development company would, we think, admirably adapt itself to operations of the kind. Just at this time, when every architect is more or less interested in the small suburban home type, it ought to be possible to obtain in a competition modeled upon the Long Island idea some highly effective and picturesque schemes of design. If, after these designs are in hand, the builder can find a way, short of scamping and jerry-building, to put the houses up at a reasonable selling figure, we have no doubt of the success of any number of developments along this line.

Such suburban development of an operative character as we have had here in Philadelphia has fallen between the two stools of super-costliness on the one hand and absolute banality on the other. Operative building generally is open to the same indictment. Row after row of homes are going up in outlying sections following models without the faintest pretense to architectural design. Many of these are of an ugliness little short of hideous. Where, here and there, in isolated cases, a certain suggestion of individuality is permitted to creep into the design the building is so obviously and atrociously scamped as to more than overbalance this buying inducement. "The Guide" has an idea that it is possible to build reasonably priced homes along approved lines and make money. It would like to see this idea tried out. The Long Island plan of acquiring the designs by limited competition is as applicable as any we have seen.

The demand for homes in which architectural merit and honest workmanship blend with a purchase price within the reach of people of average means is something tremendous. Some day, we feel sure, the builder will happen along able to turn this demand into profits—profits legitimate and well deserved.

Don't carp about bad business! With a record-breaking crop presaged, the politicians exposing one another's concealed rascalities, big business reaching saner ideals, the bugaboo of Presidential year dwindling into a papier-mache bogey, and everybody happy, contented and prosperous, the man who is not doing his allotted share of business needs to quit worshipping the gloomy gods of pessimism and to get out and hustle and advertise and fall into tune with the jingling harmony of prosperity. 1913, in the opinion of men whose predictions have a way of coming true, will be a great year in every line of mercantile, manufacturing and structural activity. After the muckraking, the unrest, the investigating, the lifting of lids and letting out of political family skeletons will come a return to sounder standards, a subsidence of popular hysteria and a prosperity rock-bottom and stable.

Cease, then, your carping, oh, pessimistic one and get busy for the good things to be. One of the approved ways of getting busy is to advertise. Take a space in "The Guide." Let the trade know what you are doing and how you are doing it. Tell people who want the product you have to offer why they should buy your product in preference to that of some other fellow. Keep on telling why. N. W. Ayer, one of the greatest advertisers that ever lived, coined the aphorism, "Keeping everlastingly at it brings success."

Moral—Keep at it.

Don't carp, knock, bewail.

Boost!

\* \* \*

Philadelphia has for some years been tearing down the old, obsolete and unsanitary open market houses which were a feature of the topography of the ante-bellum period. The Spring Garden and Girard Avenue market sheds, the Bainbridge and Eleventh street market sheds, have given way to flower patches and widened streets. Philadelphia Chapter, A. I. of A., advocates the removal of the remaining market sheds on North and South Second streets. Has it never occurred to Councils that in doing away with these old markets and omitting to replace them, a grave injustice is being done the small farmer, provisioner and consumer? Here is a question which merits serious consideration. Philadelphia has abolished within the past quarter of a century five or six well known markets. It has given the farmer and the consumer nothing whatever in return. Public markets are essential to the maintenance of the cost of living within reach of the very poor. They are a vital and important factor in the fight to do away with the middleman. New York City is about to spend more than a million dollars on a great public market. Is Philadelphia to lag behind New York in this



particular? We trust Mayor Blankenburg will perceive the wisdom of maintaining a series of public markets in various quarters of the city. Aside from placing the necessities of life within the reach of the consumer without the intervention of the middleman, the public market will absolutely do away with the annoying, unsanitary, dangerous and obstructive curb-stone market now in vogue in certain sections. These vendors cannot be driven until there exists some place into which to drive them. Erect public markets here and there and the push-cart nuisance will regulate itself. Abolish public markets altogether and the streets in certain sections must in time become well-nigh impassible. Two things of which Philadelphia stands in more pressing need than many better advertised projects are public abattoirs and public markets. Both so vitally concern the masses that "The Guide" is surprised that popular opinion does not rise up in a mighty demand for both.

### THE ROSE WINDOW.

The rose window, perhaps the most beautiful and characteristic feature of mediaeval architecture, is again coming into its own. Lovers of Gothic architecture are having it placed in the churches, cathedrals and stately edifices in many parts of Europe and this country, where for centuries it has been spurned. Circular in shape with mullions and traceries generally radiating from the center, and filled with stained glass, the window finds its name from the fancied resemblance it has to the rose. Its origin (according to the thirteenth volume of the Catholic Encyclopedia) is to be found in the Roman oculus. During the Romanesque period of oculus became a window, and from about the middle of the twelfth century its dimensions began to increase with the development of Gothic architecture. By the middle of the thirteenth century it had attained the greatest possible size—the entire width of the nave. Its splendor continued in France until the misfortunes of the later fourteenth and fifteenth centuries prevented the construction of large churches. The most beautiful examples of rose windows are to be found in the Ile De France and the adjoining provinces, Picardy and Champagne. The earliest important examples are the west rose of the Cathedral of Nantes (c. 1200); the west rose of Notre Dame of Paris (c. 1220), the most beautiful of all, and those of Leon and Chartres. In all these cases the rose was put under a circular arch. The next important step was to put it under a pointed arch, as was done in the beautiful rose windows of the Cathedral of Rheims (1230), as well in the transepts as in the later roses of the facade. Thereupon the rose was inscribed in square, with pierced spandrels as in the transepts of Notre Dame of Paris (1257). The last step was to place the rose in a tier of lower windows, in which case it became the center of a vast window composition cover-

ing the whole end of the transepts as in Rouen Cathedral.

In England the use of the rose window was usually confined to the transepts, although roses of great span constructed in Byland Abbey, and in the east front of Old St. Paul's, London. In Germany it was more frequently used as well in the Romanesque as in the Gothic period. A fine example is in the facade of the Cathedral of Strassburg. In Italy it was particularly used by the Lombard architects, as in San Reno, Verona, and in the cathedrals of Siena and Orvieto. These great roses were always filled with stained glasses of great beauty, adding not a little to the picturesque effect of the interior of the cathedral.

### SKYSCRAPER FOR WOMEN ONLY.

Plans are under way in New York City for what probably will be the first and certainly will be the largest office building in the world to be occupied exclusively by business women. Since the idea was first broached by the projectors of a business bureau for women the number of applications received for space have multiplied so greatly that serious consideration is now being given to the idea of securing the Madison Square Garden, the city's greatest amusement structure, to be remodeled for this purpose.

The garden occupies an entire block and is held at \$3,500,000, but the wealthy enthusiasts behind this newest woman's movement insist that they will have no difficulty in filling a building of this size, providing they can obtain the necessary financial backing for its erection or reconstruction. The new building will contain offices for women doctors, lawyers, real estate dealers, dressmakers, milliners, hairdressers, insurance agents, photographers, publishers, advertising agents and amusement managers, besides studios for women artists and musicians and headquarters for the hundreds of women's clubs and societies that flourish in different parts of the city. A novel proposal is to include a hall where those with new articles of interest to women can exhibit and demonstrate them. A restaurant, run and managed by women, will be a feature, and it is even said that an application for the shoe-shining privilege has been received from an enterprising woman.

The only man who has thus far ventured to apply for admission is one who, presumably in a spirit of levity, has asked for a concession to collect the hairpins that may be dropped in the corridors and public rooms. Hotels, clubs and apartment houses exclusively for women already are familiar institutions in New York, and with the addition of this great new office building the women of the city engaged in commercial pursuits will be entirely independent of mere man.

The trouble with some advertising is that it is like the conversation of certain people—it never says anything.—"Novelty News."

### IF YOU HAD SOME ONE TO TELL YOU—

Who was building, where, the name of the architect and contractor, the kind of materials to be used, the cost, etc., in time for you to bid or work in your line, you'd consider him a pretty good friend, wouldn't you?

Well, this is precisely what The Guide tells you **week after week**, every issue, for fifty-two weeks in the year. And the cost of getting this information in your mail **every Thursday morning** is just \$5.00 a year.

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And The Guide gives you, in addition to all this timely and valuable news of new building projects all the other news to be gathered in the building trades, such as

#### Material and Equipment Notes.

Keeping you informed on every new device, material or specialty introduced to the trade.

#### "More or Less Personal."

Giving you the personal gossip about men of note in the construction, architectural, material and engineering callings.

#### "Editorial."

Discussion by a trained observer of questions of trade moment, and a budget of less important features, including half-tone illustrations of new and notable bits of architecture and interior fittings.

#### Are You a Subscriber?

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Won't **you help** your home trade paper to realize this ambition?

Lend a hand.

We have an attractive proposition to make to a few **good** subscription canvassers. The other kind need not apply.

BUILDERS' GUIDE,

Perry Building,

Philadelphia.

If your proposition is one that should appeal to architects, builders, building owners, decorators, material and supply concerns, "The Builders' Guide" is the right medium for your advertising and cannot fail to bring you profitable returns.



## Is that New Building Operation of Yours Nearing Completion?

Are you ready to show possible purchasers what you have prepared for them in the way of modern conveniences? You are not ready if the houses have not been wired for Electricity—you cannot make quick sales now-a-days unless dwellings are electrically equipped.



### RECENT INCORPORATIONS.

\*\*The New England Plaster Board Company, Passaic, N. J.; capital, \$5,000; to manufacture plaster board; incorporators: Frank H. Dickey, Ira W. Dickey, George I. Dickey.

\*\*The Charleston Cement Roofing Tile Company, Charleston, W. Va.; capital, \$10,000; to deal in concrete, cement and clay products; incorporators: E. E. Simons, Max Frankenberger, A. F. Harmon, George T. Chunis, Richard B. Hoehne.

\*\*Royalton Shale Brick Company, Reading, Pa.; capital, \$100,000; L. V. Halberstadt, treasurer.

\*\*The Rapid City Brick and Tile Company, Nashville, Tenn.; capital, \$25,000; incorporators: Harry L. Bevan, R. O. Tucker, W. M. Shepman, W. J. Hockett, Thomas O. Perkins.

\*\*The Spahr Brick Company, Maysville, Ky.; capital, \$50,000; incorporators: A. C. Spahr, N. S. Spahr, A. S. Clark.

\*\*Lakewood Material Company, Lakewood, Mo.; capital, \$5,000; incorporators: M. B. Winner, G. R. Chandler, M. R. Hughes, L. W. Winner.

\*\*The Terre Haute Builders' Supply and Manufacturing Company, Terre Haute, Ind.; capital, \$50,000; to deal in builders' supplies; incorporators: P. N. Bogart, Ora Davis, E. A. Davisson, G. J. Nattkemper, J. R. Connelly.

\*\*The Davis Mantel and Tile Company, manufacture and deal in mantels and tile; incorporators: James K. Davis, James C. Davis, James C. Taylor, F. M. Davidson, Harry H. Prugh.

\*\*American Tile and Clay Products Company, Jersey City, N. J.; capital, \$700,000; to manufacture brick, tile, roofing, terracotta, eac.; incorporators: D. M. James, Frank L. Ferguson, Peter W. Ditto, Chas. Stegmayer, William Foss.

\*\*Representatives of the Asana Portland Cement Company, Tokio, Japan, are investigating conditions of lime plants of the United States. They control practically the cement industry of Japan and contemplating the installation of a large lime burning plant.

\*\*Imperial Sectional Concrete Pile Company, Camden, N. J.; capital, \$300,000; to manufacture concrete in all its branches; incorporators: William F. Mayne, Philip S. Pratt, M. Theodore Jones.

\*\*The Albany Clay Products Company, Boston, N. Y.; capital, \$800,000; incorporators: Theodore L. Pomeroy, Francis B. Duchemin, Francis H. Swift, James B. Duchemin.

\*\*Ideal Concrete Manufacturing Company, Peoria, Ill.; capital, \$5,000; incorporators: Christian Hoerr, Jacob Schiek, Phillip Hoerr.

\*\*Miller & Dailey Company, Camden, N. J.; capital, \$20,000; to deal in lumber; builders, contractors, etc.; incorporators: J. C. Miller, J. L. Dailey, J. H. Arrow.

## Shop "Kinks"

### TO CLEAN MARBLE.

For whitening boards or cleaning marble, take a half-pound each of soda, powdered chalk, and powdered pumicestone; stir together in a small quantity of water; and then add half a pound of soft soap. Mix it as a paste and apply with a scrubbing brush.

### POINTER ON MIXING.

To secure the best results as to output, it is essential that the batches, both as regards mixed and unmixed materials, be handled, as far as practicable, as units. The mixer must be used as a mixer, and not as an assembling hopper or reservoir for mixed material. In other words, your batch should be assembled while the preceding batch is mixing, and the assembled batch should be shot as quickly as possible into the drum upon the discharge therefrom of the previous batch; and this discharge should be complete—not barrow by barrow—as the latter process involves the use of a reservoir.

### TO CLEAN A HARDENED PAINT-BRUSH.

When paint has become so dried in a brush that it cannot easily be removed, try this plan: Suspend the brush in a vessel containing a mixture of 1 part crystallized sodium carbonate to 3 parts water. Hang it so that it is left several inches from the bottom of the vessel, and let it remain soaking for 24 hours. This will soften the paint, and allow it to be washed off with ordinary soap and water.—Exchange.

### FORMULA FOR ALUMINUM SOLDER.

A solder which gives good results on aluminum is composed of zinc, tin, aluminum and sodium chloride. The proportions given are 12 parts tin, 2 parts zinc and 1 part aluminum. One per cent. chloride sodium is added to this alloy. By varying these proportions somewhat, the composition formed by them may be made harder or softer to suit the various uses to which it is to be put. The hardness can be still further increased by adding a small quantity of antimony. The alloy is pure white in color and takes a high polish. It is claimed that it will adhere firmly to glass as well as many metals other than aluminum, that no flux is required, and that it may be applied either with a soldering

iron or a blowpipe.—Mining and Scientific Press.

### HOW TO CLEAN TOOLS.

To keep tools clean and bright, rub a little mercurial ointment over them, which will form a moisture-resisting coating. Mercurial ointment is also known as blue butter. It is somewhat poisonous.

Another good mixture to keep tools from rusting is made by taking six parts of lard and one part of rosin. Heat these together slowly till the rosin is all melted. The mixture is then taken out into the open air for fear of fire, and benzine added in about the proportion of one pint of benzine to half a pint of lard-rosin mixture. When cool, the mixture can be rubbed lightly over the bright steel articles. Tools thus treated will resist the corrosive action of even salt water.

### THE TELEPHONE GIRL.

The telephone girl sits still in her chair and listens to voices from everywhere. She hears all the gossip, she hears all the news, she knows who is happy and who has the blue; she knows all our sorrows, she knows all our joys, she knows every girl who is chasing the boys; she knows of our troubles, she knows of our strife, she knows every man who is mean to his wife; she knows every time we are out with the boys; she hears the excuses each fellow employs; in fact, there's a secret 'neath each saucy curl of that quiet, demure looking telephone girl. If the telephone girl would tell all that she knows, it would turn half of our friends into bitterest foes; she would sow a small wind that would soon be a gale, engulf us in trouble and land us in jail; she would let go her story which (gaining in force) would cause half our wives to sue for divorce; she would get all the churches mixed up in a fight, and turn all days into corrowing night; in fact, she could keep the whole town in a stew if she'd tell a tenth part of the things she knew. Now, don't it set your head in a whirl when you think what you owe the telephone girl.—Exchange.

The "Builder's Guide" is the OLDEST, and the ONLY Architectural Publication in Pennsylvania.



## WORLD'S WONDERS.

The ancient world is credited with seven wonders, viz.: Pyramids of Egypt, Pharos of Alexandria, Hanging Gardens of Babylon, Temple of Diana at Ephesus, Statue of Jupiter by Phidias, Mausoleum of Artemisia, and Colossus of Rhodes.

According to an international poll of scientists the modern world has for its seven greatest wonders the wireless, the telephone, the aeroplane, radium, antiseptics and anti-toxins, spectrum analysis, and the X-ray. The modern world is so rich in achievement that mention of these seven "wonders" is somewhat a matter of selection, for stupendous modern engineering feats have not found room for consideration. Among these the Panama Canal, as an engineering marvel, far outranks the great pyramid of Egypt, while in respect to benefit to the human family no ground for comparison is offered in any of these instances.—Ex.

## ARRANGING HOUSE WIRING.

Possibly in no other class of electrical installation work does the final result depend so much on the artistic taste of the contractor as in house wiring. Certain it is that in no other branch of illumination does this question of taste occupy so prominent a position. Not only is it essential during the preliminary planning out of the distribution of the lights, but it comes largely into evidence, especially where the client himself does not possess it to a marked degree, during the discussion which invariably takes place as to suitable designs for fittings and the questions as to of what metal they are to be made and how finished. It also enters largely into such matters as the length of pendants, height of standards and patterns and colors of shades.

The question of cost is an important one, particularly in the case of small private dwellings. When electric light is installed in small property the householder is seldom disposed to spend so much, in proportion, on fittings and shades as is the occupant of a much larger residence. But during recent years such advances have been made in the design and finish of cheap and artistic electric light fittings that tasteful and correct styles for the various rooms may be obtained and installed without any extraordinary expenditure. In methods of wiring also such improvements have been made as to render it possible to save expenditure on wiring or cutting away, and to allow more money for the purely decorative side of the lighting. It is possible to install and even conceal some of the patent conductors for less than it would have cost a short time ago to run up wood casing in the cheapest possible way. Such systems of wiring naturally have their place also in the better class residences, where by their aid it is possible, without chasing in and sinking the conductors, to carry them over valuable old oak paneling or elaborate mural decoration, without them being even noticeable, much less conspicuous.—"Architect and Engineer."

## THE EXTREME DEMANDS MADE UPON CONCRETE.

Cement is a wonderful material, but now and then there is encountered a specification or demand no substance could meet. While specifications of this character are in the nature of a tribute to the known durability of cement and concrete, they frequently manifest thoughtlessness that approaches the absurd. For example, a reader sends us a letter from an engineer containing specifications for Portland cement, which, among other things, must be "especially guaranteed to withstand the effects of long exposure to dry air without 'chalking' or disintegrating due to oxidation, and to withstand the scouring effect of water and the mechanical wear and attrition of ice, etc." We can only guess as to what may be embraced under "etc.," but the demand that the cement itself shall not only withstand wear but must in turn protect the sand and stone it binds together, is rather extreme. As stated, the most durable material, even bronze, would show more or less attrition, probably not to the extent of destruction, but to the degree that this exacting and unqualified specification could not be met. For example, we have in mind a concrete pier at Har Horbor, where the large ice fields break up in the spring carrying with them rocks and stones from the beach, which, with the constant motion of the tide, grind against the structure, damaging it to some extent. It is really remarkable that the concrete stands the strain so well, as the stress is akin to the action of the glacier upon the moraine at its edge or base. It is needless to say that cement manufacturers of experience and judgment would not guarantee their product to this extent. However, as stated above, the requirement really means unqualified endorsement of concrete, for the fact that it accompanied a request for quotations shows that the author believed it possible to obtain a cement that would be absolutely indestructible.—Concrete-Cement Age.

## ILLUMINATING ENGINEERING SOCIETY.

The sixth annual convention of the Illuminating Engineering Society will be held in the Clifton House at Niagara Falls, Ont., September 16 to 19. One of the interesting reports to be read on the occasion will deal with recent progress and developments in the lighting industry both in this country and abroad. Another report will make recommendations concerning nomenclature and standards. Other items of general interest in the program are:

"High Pressure Gas Lighting," by Mr. F. W. Foodenough, chairman of Council, Illuminating Engineering Society, London, England.

"Recent Developments in Gas Lighting," by Mr. R. F. Pierce.

"Indirect and Semi-Indirect Illumination," by Mr. T. W. Rolph.

"Recent Developments in Series Street

Lighting," by Dr. C. P. Steinmetz.

"Research Methods," by Dr. E. P. Hyde.

"Reflections from Colored Surfaces," by Mr. Claude W. Jordan.

"Diffuse Reflection," by Dr. P. G. Nutting.

"A Study of Natural and Artificial Light Distribution in Interiors," by Mr. M. Luckiesh.

"The Physiology of Vision," by Dr. T. A. Woodruff.

## COST OF CENTERING.

The cost of the form lumber, no matter what method of figuring is used, depends upon the number of times the forms are used. For example, in a one-story structure the whole cost of the lumber (less its salvage), as well as the entire cost of making, must be charged to the surface or volume of the concrete in this one floor.

The following example illustrates the error in not taking into account the number of times the forms are used. Suppose the column form lumber at \$30 per 1,000 feet B. M. averages in first cost \$0.60 per square foot of surface, including sheathing, supports and bracing. If used for a one-story structure, the lumber cost is therefore \$0.16 per square foot in addition to a labor cost of, say, \$0.045 for making and \$0.155 for erecting and moving, or a total of \$0.36. If the lumber, on the other hand, is used three times without alteration, the post per square foot of surface is one-third of \$0.16 (\$0.053) for the lumber, plus one-third of \$0.45 (\$0.015) for making, plus \$0.15 for erecting and removing, or a total of \$0.22 for the total cost per square foot of surface, as against \$0.36 for the one-story building.

Notwithstanding this direct effect upon the cost, the number of times moving is frequently not considered at all in estimating even by those who are otherwise accurate in their methods.—Concrete-Cement Age.

## WHY MANY CONCRETE SPECIALISTS FAIL.

Specializing in reinforced concrete construction is a nut with a rich kernel, but it is hard to crack.

"Out of nine firms specializing in reinforced concrete in New York City some three years ago, I have been told that only three survived the year," remarked Mr. Leonard C. Wason, president of the Aberthaw Construction Co., in a recent paper. He further stated that in the field with which he was most familiar, only two concerns which he had known in the past seven years have continued to specialize in reinforced concrete. He believes that the losses in this particular trade, aside from the lack of knowledge of job costs, can be explained because of the large effect of the items of overhead charges, plant depreciation, and lack of proper accounting.



## RECENT TRADE LITERATURE.

A series of letters from house owners, public institutions and well-known manufacturing concerns endorsing the Globe ventilators are being sent out in the form of a thirty-two page booklet by the Globe Ventilator Company, Troy, N. Y. Special attention is called to the effectiveness of the "Globe" in ventilating mills, factories and buildings used for manufacturing purposes where impure air and gases quickly accumulate.

\* \* \*

Attention is called to the warranty issued by the Follansbee Brothers Company, Pittsburgh, with each purchase of their Banfield Process roofing tin. This guarantee protects both the contractor and his client, and so is of general interest to every one in the sheet metal trade. It bears the official signature of the company and is given by the contractor to his customer. The manufacturers state that if any defects are found in the tin roof, the contractor is authorized to replace the work, the Follansbee Brothers Company supplying the replacing tin plate and paying for the contractor's time. If it should happen that the contractor goes out of business before the owner of the building on which the roof is placed discovers any defect, the latter has only to make his complaint direct to the manufacturers and his claim will be fully satisfied. The guarantee is as follows:

"We guarantee Follansbee Banfield Process Roofing Tin, painted with pure linseed oil and venetian red iron oxide, soldered with rosin, will wear on roofs, gutters, and valleys for not less than fifteen years or will be replaced at our expense."

A card hanger, bearing a reprint of this guarantee and other information about the Banfield Process Roofing Tin, is being distributed to the trade.

\* \* \*

The National Fireproofing Company, Fuller Building, New York, has issued another attractive bulletin, describing the adaptability of the company's artistic fireproofing material for use in facades as well as interior construction work. The photographs are exceptionally good, and they show application for interior and exterior use of this kind of material that is really astounding. Copies may be obtained by addressing the company at its New York office.

\* \* \*

The steadily increasing demand for vacuum cleaning equipment in connection with buildings of the better class is evident in the recent contracts closed by the American Rotary Valve Company, 200 Fifth avenue, New York City. Their New York manager, Mr. C. H. Eckel, has just completed arrangements for equipping the following high-class buildings with his company's vacuum cleaning process: Albany High School, Albany, N. Y.; Glen Falls Ins. Co.'s building, Glen Falls, N. Y.; Hotel Vendig, Philadelphia,

Reported especially for this paper by H. B. Willson & Co., Patent Attorneys, 715 Eighth street, Northwest, Washington, D. C.

A Complete Copy of any of these patents will be forward to any person by Messrs. Willson & Co., on receipt of ten cents. Persons ordering Copies must give Number of Patent.

Hilder Daw, Montreal, Quebec, Canada, assignor to Fitz-James E. Browne,, Montreal, Quebec, Canada, wall-erecting apparatus. No. 1,034,427.

E. W. Goodey, Philadelphia, Pa., joint for rolled metal bars. No. 1,034,440.

T. B. Miller, Kansas City, Mo., miter-clamp. No. 1,034,482.

E. W. A. Turner, Minneapolis, Minn., concrete-arch reinforcement. No. 1,034,538.

A. B. Welsh, Sumrall, Miss., lumber gage. No. 1,034,547.

A. L. Bemis, Worcester, Mass., bench-vise. No. 1,034,568.

J. H. Von Rehder, Winfield, N. Y., corner-bead for building constructions. No. 1,035,278.

Pa., and the Y. M. C. A. Building, at Boston, Mass.

\* \* \*

The Trexler Lumber Company, 30 Church street, New York, is issuing a hand-book on the subject of lumber, in which it gives valuable information regarding the relative strength of long-leaf yellow pine and fir, a ready reckoner for timber, with rules for grading Douglas fir, inspection rules for North Carolina pine, long-leaf yellow pine timber and plank. The grading rules are also given for spruce, maple flooring, yellow pine and the architect and specifier an intimate knowledge of the strength of yellow pine and fir, and will also be of great value in guiding him in the different values of lumber as shown in building construction.

## TRANSIT AND THE HOUSING PROBLEM.

Transit has begun to catch up with the city. It has opened up the country. In consequence the city is again being transformed—in this country by the suburban communities which encircle it; in Belgium by the sale of cheap workingmen's tickets on State owned railroad lines which enable the workingman to travel twenty-four miles for 2 cents and live on the farms and in the far outlying villages.

In England improved transit has given birth to the garden suburb. It has made possible the garden city. This is England's latest, possibly her greatest, contribution to the city problem, to the housing of the workingman, the clerk and the moderately well-to-do classes of the great cities. \* \* \* London, Liverpool, Glasgow, Sheffield, all the large cities of Great Britain, have vainly struggled with the housing problem. They have built municipal dwellings, have tried to control private tenements, but the inrush

## NEW INVENTIONS.

W. H. Aspegren, Quincy, Mass., door-check. No. 1,035,298.

J. A. Bunce, Seattle, Wash., automatic fire-door closer. No. 1,035,314.

R. A. Cummings, Beaver, Pa., reinforced-concrete slab. No. 1,035,323.

C. M. Miller, Mount Pleasant, Iowa, pitch-board. No. 1,035,370.

J. F. G. Smith, Washington, D. C., window ventilator. No. 1,035,392.

W. A. Prentice and W. H. Prentice, Worcester, Mass., miter box. No. 025,466.

Christiam Yauch, Detroit, Mich., skylight. No. 1,035,509.

H. S. Bayles, Long Island, N. Y., screen. No. 035,519.

of people swamped their most ambitious efforts.—Frederic C. Howe, in the July "Scribner."

Conditions never were brighter for prosperous days for the building world. Optimism should be the word of the hour.—Material Record.

The expert assistance we give our advertisers in the matter of preparing copy so as to make it tell is, in itself, worth all the money they spend with us. Our services in this avenue are at the disposal of every "Guide" advertiser, present as well as prospective.

When you don't advertise nobody knows that you are doing business, and it won't be long before you'll not know it yourself.—Ex.

## PATENTS

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## REAL ESTATE TRANSFERS.

Summeary for week ending August 24, 1912:	
Number of transfers .....	409
Amount of transfers .....	\$647,689.10
Cash consideration .....	287,489.10
Mortgage consideration .....	360,200.00
Ground rent consideration .....	2,278.00
Which on a 6 per cent. basis amounts to .....	37,966.67



# Reference Directory for Architects, Builders and Owners

## Artesian Wells.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.

## Artists' and Architects' Supplies.

F. Weber & Co., 1125 Chestnut st., Phila.

## Architectural Iron and Metal Work.

John L. Gaumer Co.,  
22d and Wood sts., Phila

## Awnings

Bernard McCurdy,  
N. E. Cor. 9th and Arch sts., Phila.

## Brick (Face, Etc.)

O. W. Ketcham, Builders' Exchange, Phila.

## Brick Renovating.

Adolph Christensen,  
1433 Brown st., Phila.

## Blue Prints

Blue Print Co., 1516 Chestnut Street, Phila.

## Boilers and Radiators.

Isaac A. Sheppard & Co.,  
Erie ave. and Sepviva st., Phila.

## Boilers and Stacks.

Lindemann Engineering Co.,  
Drexel Bldg., Phila.

## Brass and Bronze Work.

John L. Gaumer Co.,  
22d and Wood sts., Phila.

## Builders.

Mitchell Bros., 2125 Race St., Phila.  
Pomeroy Const. Co., 1609 Ranstead st., Phila.

## Builders' and Contractors' Machinery.

Henry T. Peirce, Bulletin Bldg., Phila.

## Canvas Roofing.

The Franklin Paper Co.,  
718 Cherry st., Phila.

## Cement.

Samuel H. French & Co.,  
4th and Callowhill sts., Phila.  
Chas. Warner Co., Land Title Bldg., Phila.  
Knickerbocker Lime Co.,  
266 N. 24th St., Phila.

## Cement and Asphalt Paving.

Wm. Krause, 1621 N. 5th St., Phila.

## Cement Colors.

Samuel H. French & Co.,  
4th and Callowhill sts., Phila.

## Cold Water Painting.

William B. Southern,  
N. W. Cor. 12th and Spruce sts., Phila.

## Concrete Engineer.

Conklin Engineering Co.,  
Heed Building, Phila.

## Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,  
10th and Chestnut Sts.

## Elevator (Lubricators.)

American Engr. & Mfg. Co.,  
Real Estate Trust Bldg., Phila.

## Engraving, Photo and Line.

Chestnut Street Engraving Co.,  
7th and Chestnut sts., Phila.

## Fire Protection Equipment.

Jas. Boyd & Bros.,  
25th and Wharton sts., Phila.

## Flag Poles (wood and steel).

Bernard McCurdy,  
N. E. cor. 9th and Arch sts., Phila.

## Floors and Floor Finishing.

Fritz & La Rue,  
4800 Parkside ave., Phila.

## Furnishers and Decorators.

Duncan & Duncan, Inc.,  
1724 Chestnut st., Phila.

## Furnaces and Ranges.

Bartlett & Co., 1938 Market st., Phila.  
Henry M. Miller, 40 N. 2nd st., Phila.  
Isaac A. Sheppard & Co.,  
Erie Ave. and Sepviva St., Phila.

## Gas and Gas Appliances.

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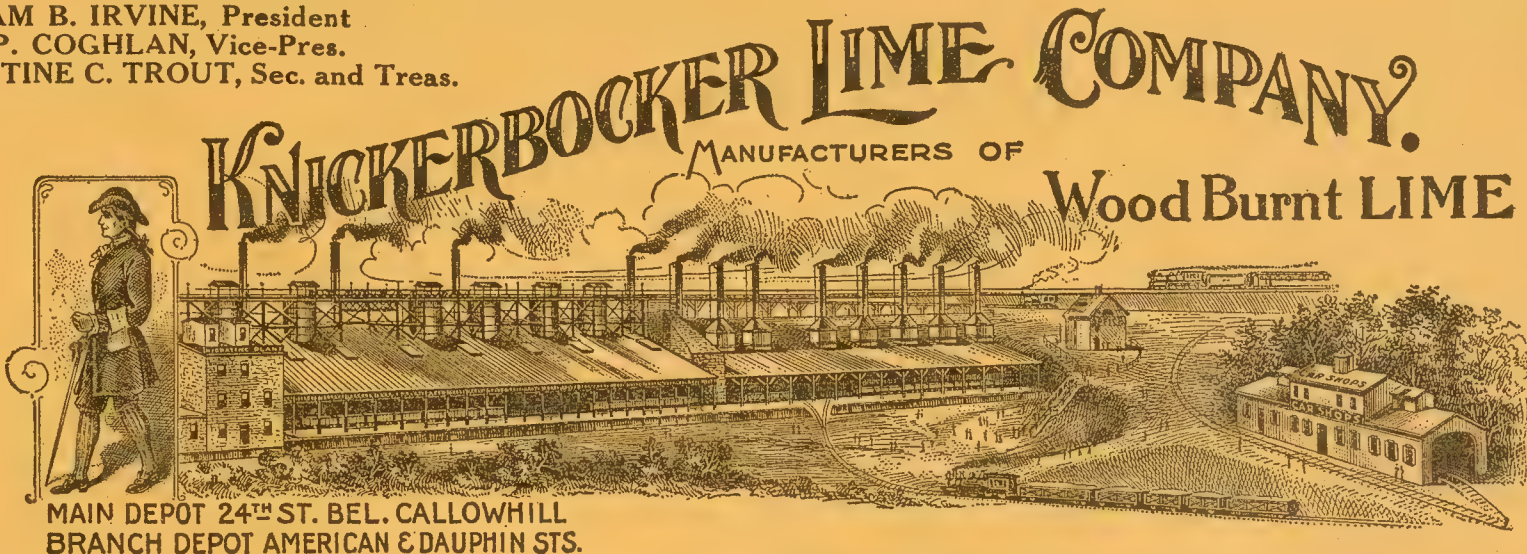
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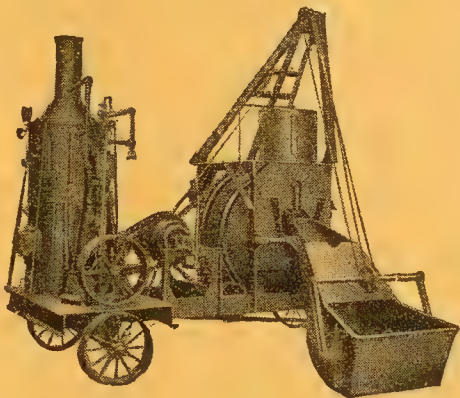
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Vol. XXVII., No. 36.

PHILADELPHIA, WEDNESDAY, SEPTEMBER 4, 1912.

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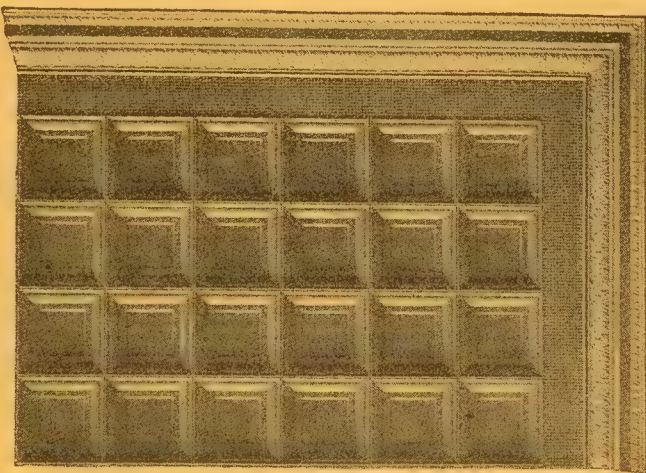
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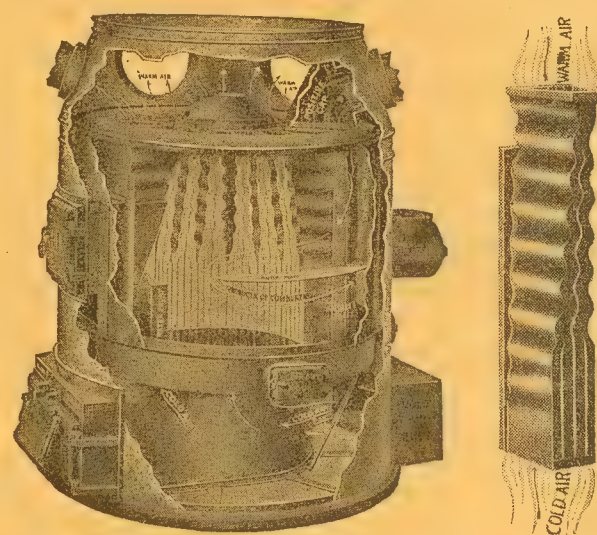
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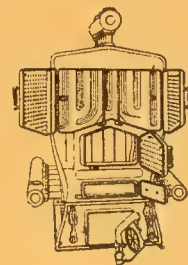
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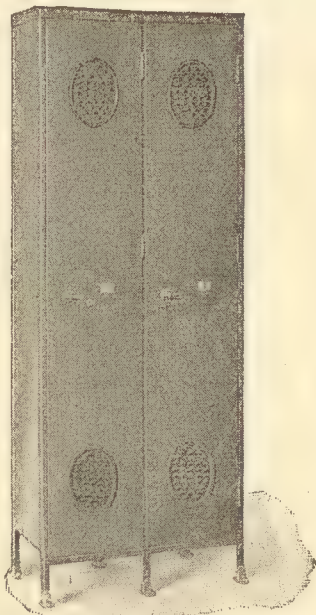
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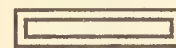
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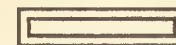


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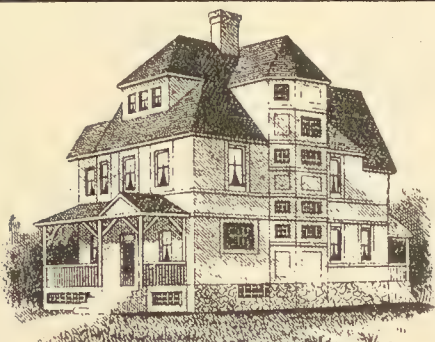
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OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXVII., No. 36.

PHILADELPHIA, WEDNESDAY, SEPTEMBER 4, 1912.

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## Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Loft Building**, Broad and Wallace streets. Architect, Charles Balderson, 411 Walnut street. Owners, Metropolitan Building, care of George F. Lasher, 147 North Tenth street. Concrete, fireproof, eight stories and basement, 100x400 feet. Asbestos roof, steam heating. Plans completed. Architect ready for bids.

**Bakery (alt. and add.)**, Girard College. Architect, J. T. Windrim, Twelfth and Chestnut streets. Owners, Girard College. Brick, consists of interior alterations and additions, electric lighting. Architect has received bids.

**Club House (alt. and add.)**, 1517 Sansom street. Architect, Bart Tourison, Land Title Building. Owners, Cornell Club, 28 South Mole street. Interior alterations and additions, electric light, steam heat. Plans in progress.

**Residence**, Lansdowne, Pa. Architect, L. B. Rothschild, Bulletin Building. Owner, H. C. Berry, care of architect. Stone and frame, two and one-half stories, 36x26 feet, slate roof, hot water heat, hardwood floors. Architect has received bids.

**Residence (alt. and add.)**, 106 North Nineteenth street. Architects, Charles Bolton & Sons, Witherspoon Building. Owner's name withheld. Consists of interior alterations and additions, electric light, hardwood floors. Architects have received bids.

**Forge Shop**, 2048 Broad street. Architects, Ballinger & Perrott, 1211 Arch street. Owners, J. J. Pfeifer & Co., 222 Race street. Brick, two stories, slag roof, electric light. Architects taking bids due September 4. The following are figuring: F. A. Havens, 845 North Nineteenth street; A. Whitehead, 1624 Latimer street; H. E. Baton, Tenth and Sansom streets; Philip Haibach Constructing Company, Twenty-sixth and Thompson streets; W. R. Brown, 2145 East Fifth street; H. H. Burrell, 1204 Chancellor street.

**Residence**, Ventnor, N. J. Architect, Francis G. Caldwell, Stephen Girard Building. Owner, John Scanlin, Atlantic City, N. J. Brick and plaster, two and one-half stories, 27x53 feet, slate roof, steam heating, electric lighting. Plans completed. Architect ready for bids.

**Show Rooms (alt.)**, Southeast corner of Broad and Race streets. Architects, Savery, Scheetz & Savery, Stephen Girard Building. Owners, Thomas B. Jeffery & Co., on premises. Consists of new show windows and interior alterations. Architects taking bids due Sep-

tember 4. The following are figuring: George F. Pawling & Co., Broad and Vine streets; H. E. Grau Company, 1707 Sansom street; William R. Dougherty, 1608 Sansom street; R. C. Ballinger & Co., 218 North Thirteenth street; A. Whitehead, 1624 Latimer street; F. L. Hoover & Sons, Builders' Exchange; F. E. Wallace, 1210 Sansom street; Roydhouse-Arey Company, Fidelity Building.

**New Nursery and Addition to Home**, Fifth and Bainbridge streets. Architects, Magaziner & Potter, 137 South Fifth street. Owners, The Young Women's Union, on premises. Brick, granite, limestone trimmings, four stories, 50x73 feet, electric light, tile roof (heat reserved). New plans in progress.

**Sub-Station "B" (alt. and add.)**, Carpenter street and Gray's Ferry avenue. Architect, J. T. Windrim, Twelfth and Chestnut streets. Owners, Philadelphia Electric Company, Tenth and Chestnut streets. Brick, steel, fireproof, one story, 43x50 feet. Architect taking bids due September 5. Pomeroy Construction Company, 1609 Sansom street, are figuring.

**Residence (alt. and add.)**, Haverford, Pa. Architect's private plans. Owners, Dr. B. C. Giles, 1728 Chestnut street. Brick, shingle, three stories, 63x38 feet (fire damages). Bids due September 4. Pomeroy Construction Company, 1609 Sansom street, are figuring.

**School**, Preston, Pa. \$20,000. Architect, K. Boyd, Fifteenth and Walnut streets. Owners, Haverford Township, Pa. Stone, one story, 4 class rooms, slate roof, heating and ventilating atmospheric lavatories. Architects ready for bids.

**Hospital (add.)**, Susquehanna avenue and Howard street. Architects, Watson & Huckel, 1211 Walnut street. Owners, Kensington Hospital for Women, on premises. Brick, concrete, fireproof, four stories, 30x87 feet electric light, steam heat, slate roof. Plans completed. Architects will take bids in a few days.

**Freight Station**, Narberth, Pa. Engineer, Joseph T. Richards, Broad Street Station. Owners, Pennsylvania Railroad Company, Broad Street Station. Corrugated iron, one story, 89x12 feet, Eastern granite, roofing (heating reserved). Owners taking bids due September 6. Alex. Chambley, 243 South Tenth street, is figuring.

**Factory**, Clearfield and Lippincott streets. Architects and engineers, William Steele & Sons, Sixteenth and Arch streets. Owners,

H. C. Aberle & Co., Third and Columbia avenue. Brick and steel, fireproof, four stories, 89x195 feet, slag roof, electric light, steam heat, elevators. Builder, William Steele & Sons taking sub-bids.

**Residence**, Lansdowne, Pa. Architects, Heacock & Hokanson, Bailey Building. Owner, Thomas M. Longcope, Lansdowne, Pa. Plaster, three stories, 30x50 feet, shingle roof, electric light, hardwood floors, hot air heating. Architects taking revised bids due September 5. James Lowden, R. H. Anderson and George Riley, all of Lansdowne, Pa., are figuring.

**Boat House**, Ventnor, N. J. Architects, Sauer & Hahn, 1112 Chestnut street. Owner, William F. Mtzger, 629 Market street. Plaster and hollow tile, two stories, 30x44 feet, tile slag roof, electric light. Plans amount completed.

**Garage**, 6655 Germantown avenue. Architect, Bart Tourison, Land Title Building. Owner, E. R. Tourison, 6656 Germantown avenue. Brick, one story, electric light, slag roof. Plans in progress.

**Apartment House (alt. and add.)**, 429 South Fifty-first street. Architect, Bart Tourison, Land Title Building. Owner, Ed. F. Henson, 921 North Delaware avenue. Brick, three stories, slag, tile and tin roof, hot water heat, electric light. Plans completed. Owners will take bids.

**Stores and Amusement Hall (alt. and add.)**, Germantown. Architect, Bart Tourison, Land Title Building. Owner, E. R. Tourison, 6656 Germantown avenue. Brick, two stories, slag roof, electric light, steam heat, central plant. Owner has received bids.

**Apartment House**, Atlantic City, N. J. Architect, S. G. Dobbin, 1318 Atlantic avenue, Atlantic City. Owner, Samuel F. Nixon, on premises. Brick and plaster, three stories, 60x73 feet, slag and tile roof, electric light, hot water heat. Architect taking bids due September 4. J. W. Emery, 1524 Sansom street, is figuring.

**Moving Picture Parlor**, 3323 Chestnut st. Architects, Anderson & Hapt, Drexel Building. Owners, M. A. Benn, 5820 Springfield avenue. Brick, one story, 20x60 feet, steam heat, electric light, slag roof. Architects have received bids.

**Moving Picture Parlor**, Redfield and Lansdowne avenue. Architects, Anderson & Hapt, Drexel Building. Owner, Robert Ham-



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ilton, 3312 Hamilton street. Brick, one story, 60x100 feet, electric light, slag roof, steam heat. Plans in progress.

**Gateway**, Fox Chase, Philadelphia. Architects, Anderson & Haupt, Drexel Building. Owners, Pennsylvania Lodge, I. C. B. A., No. 76, on premises. Granite, ornamental iron and concrete. Architects taking sub-bids on all material.

**Bakery**, Eleventh avenue and Fiftieth st., New York City. Architects, Stuckert & Sloan, Crozer Building. Owners, Horn & Hardart Baking Company, 818 Chestnut street. Reinforced concrete, six stories, 88x175 feet, slag roof, steam heating, electric lighting. Plans in progress. Architects win take bids in about one month.

**Residence**, Salem, N. J. \$10,000. Architects, Baily & Bassett, 421 Chestnut street. Owner, D. Stewart Craven, Salem, N. J. Brick, and plaster, two and one-half stories, 64x29 feet, shingle roof, oak floors (heating reserved). Architects have received bids.

**High School**, Glassboro, N. J. Architects, Moffett & Stewart, Camden, N. J. Owners, Board of Education, Glassboro, N. J. Brick, limestone trimmings, two stories, 62x90 feet, slag roof, American system heating. Owners taking bids due September 9. Metzger & Wells, Heed Building, and William R. Dougherty, 1608 Sansom street, are figuring.

**Bungalow**, North Wales, Pa. Architect, H. G. McMurtre, Bailey Building. Owner's name withheld. Frame, one and one-half

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**N. E. Cor. 22d and Wood Streets**

stories, 25x30 feet, shingle roof, hot water heating. Plans in progress.

**Residence** St. Davids, Pa. \$25,000. Architects, Zantzing, Borie & Medary, Fifteenth and Walnut streets. Owner, A. G. Rosengarten, 2212 Delancey street. Stone, two and one-half stories, 32x62 feet, wing, 14x24 feet, electric light, hot water heat, 4 bath rooms, shingle roof. Architects taking bids due September 6. The following are figuring: R. C. Ballinger, 218 North Thirteenth street; F. E. Wallace, 1210 Sansom street; William H. Edleman, 453 Green Lane; Stokes Bros., Rosemont, Pa.; Carr & Hinkle, 5822 Germantown avenue.

**School**, Brookline, Pa. \$30,000. Architect, D. K. Boyd, Fifteenth and Walnut streets. Owners, Haverford Township, Pa. Stone, two stories, 6 class rooms, slate roof, heating and ventilating, atmospheric lavatories. Architect ready for bids.

**Police Station** (alt. and add.), Twentieth and Federal streets. Architect, C. B. Zilenziger, City Hall. Owners, City of Philadelphia. Interior alterations and additions, tin roof, electric light, steel lockers. Owners taking bids due September 6. The following are figuring: Edward Fay & Sons, 1521 Ransstead street; Wayne Contracting Company, 1214 Filbert street.

**Residence**, Chestnut Hill, \$50,000. Architects, Price & McLanahan, Sixteenth and Walnut streets. Owner, J. L. Woolston, 110 Chestnut street. Stone, two and one-half stories, electric light, hot water heat, tile roof, six bath rooms (hardwood floors reserved). Architects taking bids, due September 6th. Complete list of bidders is as follows: William R. Dougherty, 1608 Sansom street; George S. Roth, Chestnut Hill, Pa.; H. H. Burrell, 1204 Chancellor street; H. E. Grau Company, 1709 Sansom street; J. Sims Wilson, 1123 Brown street.

**Market House**, Chester, Pa. Architect, private plans. Owners, Swift Company, Boston, Mass. Brick and concrete, fireproof, two stories, 99x74 feet. Slag roof, electric light, steam heat, elevators. Owners taking bids,

due September 12th. The following are figuring: Irwin & Leighton, 126 North Twelfth street, and William Steele & Sons, 1600 Arch street.

**Factory**, South Richmond, Va. Architect, A. F. Hunt, Richmond, Va. Owners, Southern Manufacturing Company, on premises. Brick and reinforced concrete, two stories, 90x270 feet. Slag roof (heat and electric light reserved). Architect taking bids, due September 9th. Metzger & Wells, Heed Building, Philadelphia, are figuring.

**Freight House**, Fairmount, W. Va. Architect, N. A. Long, Baltimore, Md. Owners, Baltimore and Ohio Railroad Company. Frame and galvanized iron, one story, 300x40 feet. Slag roof, electric light. Owners taking bids, due September 12th. The following are figuring: Irwin & Leighton, 126 North Twelfth street; Roydhouse-Arey Company, Fidelity Building; F. Roe Searing, Perry Building, all of Philadelphia.

**Factory**, Front and Federal streets, Camden, N. J. Architect, J. C. Jefferies, 1001 Chestnut street. Owners, Colling Carriage Company, Front and Market streets, Camden. Brick, three stories, 90x100 feet. Slag roof, electric light. Plans in progress.

**Residence**, Haverford, Pa., \$25,000. Architects, Mellvain & Roberts, Land Title Building. Owner, Granville D. Montgomery, Morris Building. Stone, two and one-half stories, 116x27 feet, shingle roof, four bath rooms, white oak floors (heating reserved). Architects taking bids, due September 10th. The following are figuring: Graham-Campion Company, Heed Building; Metzger & Wells, Heed Building; J. S. Cornell & Son, Land Title Building; William J. Gruhler, 219 East High street; H. H. Burrell, 1204 Chancellor street; Gray Bros., Rosemont, Pa.

**Chapel**, Chestnut Hill, Pa. Architects, Duhring, Okie & Zeighler, Bailey Building. Owners, Chestnut Hill Hospital for Consumptives. Plaster and hollow tile, two stories, 32x52 feet, electric light, slate roof, steam heat. Plans about completed. Architects will take bids in a week.

## Contracts Awarded

**Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.**

**Farm Building**, Chestnut Hill, Pa. Architects, Karcher & Smith, Crozer Building. Owners, Charles Le Boutilier Homer North American Building. Brick, one and two stories, shingle and tile roof, electric light, vapor vacuum heat. Contract awarded to W. J. Gruhler, 219 High street.

**Residences (66)**, Marcus Hook, Pa. Architects, Ballinger & Perot, 1211 Arch street. Owners, American Viscose Company, Marcus Hook, Pa. Brick, two and one-half stories, 24x33 feet, slate roof, electric light, hot air heat. Contract awarded to H. Brocklehurst, 512 W. Norris street.

**Residence**, Cynwyd, Pa. Architects, Savery, Scheetz & Savery, Stephen Girard Building. Owners, James F. Gounley, care of Royal

Electrotype Company, 620 Sansom street. Stone and rough cast, two and one-half stories, 55x44 feet, shingle roof, oak floors (hot water heat reserved). Contract awarded to Carvan Construction Company, 5143 Irving street.

**Residence** (alt. and add.), Wynnewood, Pa. Architects, Magaziner & Potter, 137 South Fifth street. Owners, Thomas Beaver Browne, Pennsylvania Building. Consists of alterations and additions. Contract awarded to Stacey Reeves & Sons, 1609 Filbert street.

**Water Tower**, Thirty-fourth and Pine sts. Architect's private plans. Owners, Department of Health and Charities, care of Dr. J. S. Neff. Brick and steel, slate roof. Only bid



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## Permits for New Buildings

School Lane Building Company (O), Stokely and Midvale avenue. Cost, \$10,000. Two dwellings, brick, three stories, 30x40 feet. Cost, \$20,000. Four dwellings, Penn and Michel streets.

Philadelphia Rapid Transit Company (O), Eighth and Dauphin streets. Unit Construction Company (C), St. Louis, Mo. Cost, \$225,000. Car house, one story, 377x339 feet, Tenth and Luzerne streets. Cost, \$4,800. Car House, Forty-ninth and Woodland avenue. Cost, \$2,100. Emergency House, Lehigh and Amber streets.

F. S. Davis (O), Thirteenth and Nedro streets. Cost, \$5,000. Two dwellings, brick, two stories, 16x61 feet, Eleventh and Champ-lock streets.

Wm. Engel (O), 167 West Dauphin street. J. Gaertner (C), 2214 North Third street. Cost, \$7,900. Store and dwelling, brick, three stories, 25x58 feet, Fifth and Venango streets.

Pennsylvania Salt Manufacturing Company (O), Greenwich Point. Cost, \$1,500. Pump House, one story, brick, 22x42 feet, Delaware avenue and Dock street.

England and Walton (O), Third and Vine streets. William Steele & Sons, 1600 Arch street. Cost, \$88,000. Factory, brick, seven stories, 60x80 feet.

S. Klein (O), 4336 Main street. H. Wileman (C), 4377 Manayunk avenue. Cost, \$6,000. Store and dwelling, brick, three stories, 17x45 feet, Main and Grape streets.

Fox Chase Presbyterian Church (O), Fox Chase, Pa. Joseph Ashby (C), Fox Chase, Pa. Cost, \$4,000. Church, stone, one story, 100x250 feet.

Mrs. Bessie Donnelly (O), Ocean City, N. J. J. H. Dagny (C), York road. Cost, \$10,000. Two dwellings, brick, three stories, 16x40 feet, Sixty-ninth avenue and York road.

Edward W. Woolman (O), 4709 Lancaster avenue. Metzger & Wells, Heed Building. Cost, \$40,000. Dairy, two stories, brick, 99x81 feet.

Philadelphia Stove and Iron Foundry (O), 1631 North Fifth street. W. H. Ellis (C), 628 Columbia avenue. Cost, \$3,000. Factory, brick, two stories, 33x100 feet.

L. K. Slifer (O), 4252 North Broad street. Cost, \$6,500. Two dwellings and stores, brick, three stories, 16x41 feet, 3614-16 Germantown avenue.

Smith Craighead (O), 3018 West Susquehanna avenue. Cost, \$10,000. Five dwellings, brick, two stories, 12x29 feet, Fifteenth and Rockland streets.

Philadelphia Electric Company (O), Tenth and Chestnut streets. Robert Gilpin (C), Harrison Building. Stable and Storage, brick, one story, Trenton and Susquehanna avenue.

C. L. Homer (O), Washington Lane. W. J. Grubler (C), 219 Eighth street. Cost, \$10,000. Garage and dwelling, brick, two stories, 16x27 feet, Chestnut Hill, Pa.

J. B. Stetson & Co. (O), Fifth and Montgomery avenue. Cost, \$150,000. Manufacturing Building, brick, eight stories, 237x491 feet.

44 Cigar Company (O), Eleventh and Wharton streets. H. C. Dahl (C), 231 South Eighth street. Cost, \$5,600. Factory, brick, one story 30x106 feet, Eleventh and Wharton streets.

Schwingle Bros. (O), 2637 West Hagert street. Cost, \$2,500. One dwelling, brick, two stories, 15x50 feet, Twenty-first and Huntingdon streets. Cost, \$3,600. Two dwellings. Cost, \$14,400. Eight dwellings.

B. T. Welch (O), Eightieth and Lyons avenue. M. Brodsky (C), 8021 Lyon avenue. Cost, \$10,000. Five dwellings, brick, two

submitted by James G. Doak & Co., Crozer Building. \$19,717.

**Sewerage Disposal Plant**, Byberry, Pa. Architect's private plans. Owners, Department of Health and Charities, care of Dr. J. S. Neff. Brick, stone and concrete. Only bid submitted by James G. Doak & Co., \$13,235.

**Milk Station (alt. and add.)**, 1725-27 Wood street. Architect's private plans. Owners, Department of Health and Charities, City of Philadelphia. Brick, two stories, steam heat, electric lighting. Bids were opened as follows: Harry Gill, Jr., 2200 Germantown avenue, \$4,463; F. L. Hoover & Sons, Builders' Exchange, \$4,685; T. C. Trafford, 1613 Sansom street, \$5,090; J. H. Jordan, Thirty-first and Oxford streets, \$6,000.

**Home Building**, Oakbourne, Pa. Architects, Bissell & Sinkler, Bailey Building. Owners, Pennsylvania Epileptic Hospital and Colony Farm. Hollow tile and plaster, one, two and three stories, buildings, slate roof, electric light, steam heat. Consists of kitchen, assembly building and women's cottage. Contract awarded to J. M. Burns, West Chester, Pa.

**Church**, Narberth, Pa. Architects, E. F. Durang & Sons, Company, Inc., Twelfth and Chestnut streets. Owners, St. Margaret's R. C. Church, Narberth, Pa. Stone, one story, 40x130 feet, electric light, steam heat, slate

roof. Contract awarded to William R. Dougherty, 1608 Sansom street.

**Hotel (alt. and add.)**, Twelfth and Market streets. \$25,000. Owners, United Cigar Store Company, Mint Arcade Building. Architect's private plans. Consists of interior alterations and additions for hotel purposes, electric light. Contract awarded to Edward Fay & Son, 1519 Ranstead street.

**Factory (add.)**, Second and Cooper streets, Camden, N. J. Architects, Ballinger & Perrot, 1211 Arch street. Owners, Victor Talking Machine Company, Camden, N. J. Five additional stories over power plant, 172x72 feet, brick and concrete, terra cotta, slag roof. Contract awarded to Irwin & Leighton, 126 North Twelfth street.

**Warehouse**, 250-52 North Third street. \$28,000. Architect, Jacob Naschold, 723 Walnut street. Owner, S. Ervin Diehl, 251 North Third street. Brick, two stories, 50x95 feet, slag roof, electric lighting, steam heating. Contract awarded to J. Bird & Co., 213 North Eleventh street.

**Residence (alt. and add.)**, Oak Lane, Pa. Architects, Ballinger & Perrot, 1211 Arch street. Owner, Leo Niessen, Twelfth and Race streets. Stone and frame, two stories, electric light (hot water heat, entire new plant). Contract awarded to J. J. Morrow, Oak Lane, Pa.

## Alterations and Additions

John Bromley & Sons (O), A and Lehigh avenue. George W. Stewart (C), 2125 Germantown avenue. Cost, \$7,500. Boiler Room.

Alpha Chamoise Company (O), 1817 Gillingham street. P. D. Demarest (C), 4840 Mulberry street. Cost, \$1,650. Storage, 1817 Gillingham street.

James McMullin (O), 324 High street. Horrock Iron Works (C), 234 North Broad street. Cost, \$2,000. Dwelling.

J. J. Tone (O), 2034 North Twenty-second street. W. Bogupolsk (C), 1223 South Fourth street. Cost, \$900. Store and dwelling, Eleventh and Rodman streets.

A. R. Roberts (O), Holmesburg, Pa. J. A. Hand (C), 8019 Frankford avenue. Cost, \$5,500. Dwelling, Decatur street and Edrick.

J. B. Craven (O), 1438 North Seventh street. Phoenix Iron Works (C), 631 Arch street. Cost, \$1,000. Laundry, 1443 North Franklin street.

George Krohn (O), 4133 Pechin street. C. M. Swartley (C), 427 Hermitage street. Cost, \$1,200. Shed, 4133 Larston street.

Alexander Wolfington (O), 10 North Twentieth street. Stacey Reeves & Sons (C), 1611 Filbert street. Cost, \$1,500. Warehouse, 2009 Market street.

Simon Bannett (O), 3014 South Eighty-fourth street. Cost, \$1,300. Store and dwelling, 2024 Frankford avenue.

Mrs. Gramlies (O), 4935 Spring Garden street. R. C. Ballinger & Co. (C), 218 North Thirteenth street. Cost, \$1,000. Manufacturing, Sixteenth and Fitzwater streets.

Alfred Toney Bros. (O), Delaware avenue and Arch street. R. C. Ballinger & Co. (C), 218 North Thirteenth street. Cost, \$1,000. Stable, 934 Beach street.

C. Schmidt & Sons (O), 125 Edward street. Bergen & Linderman (C), New York City. Cost, \$8,000. Power Plant, on premises.

H. H. Dentzel (O), 3641 Germantown avenue. H. P. Schneider (C), York road and Erie avenue. Cost, \$1,000. Store and dwelling, 3633 Germantown avenue.

E. A. Snyder (O), 809 West Erie avenue. H. P. Schneider (C), York road and Erie avenue. Cost, \$1,400. Dwelling, 813 West Erie avenue.

H. C. Lawson (O), Horter and Pelham street. W. C. Wright (C), 22 Harvey street. Cost, \$1,000. Dwelling.

Philadelphia and Reading Railway Company (O), Twelfth and Market streets. Brown-King Construction Company (C), Allegheny avenue and Fourth street. Coal Trestle.

J. W. Carson (O), Glenwood avenue and Palethorp street. J. McNutt (C), 1929 Allegheny avenue. Cost, \$2,800. Warehouse.

Philadelphia County Fair Association (O), Byberry, Pa. L. R. Walton (C), Andalusia, Pa. Cost, \$1,750. Sheds, Byberry, Pa.

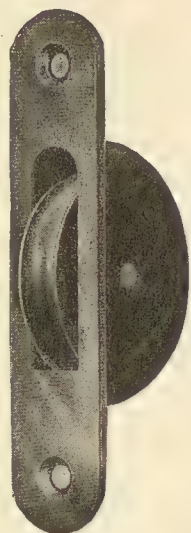
E. L. Taylor, Fern Rock, Pa. (O). Lam Building Company (C), Oak Lane, Pa. Cost, \$7,000. Seventh street and Sixty-fourth avenue.

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stories, 16x54 feet, Eightieth and Lyons ave-  
nue. Cost, \$2,500. Store and dwelling.

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Square. Cost, \$40,000. Twenty dwellings,  
brick, two stories, 16x33 feet, Fifty-eighth  
and Alter streets. Cost, \$40,000. Twenty  
dwellings.

Taylor Memorial P. E. Church (O), 4164  
North Seventh street. R. T. Tyson (C), 4164  
North Seventh street. Cost, \$5,000. Granite,  
brick, one story, 54x85 feet. Seventh and  
Hunting Park avenue.

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## THE ENGINEERING CAREER

What it Involves upon the Man and What it Means to the Public.

By F. H. NEWELL

Doctor of Engineering and Member of the U. S. Reclamation Service

Address before Graduating Class of Case School of Applied Science, May 29, 1912

This occasion marks officially the time of  
separation between the two great periods of  
your life, namely, the first, the recipient or  
student stage, during which you have been  
receiving instruction and have been concen-  
trating your attention upon getting the bene-  
fit of other peoples knowledge, and, second,  
that period when you are supposed to go out,  
each for himself, to make use of the accumu-  
lated knowledge, not wholly for personal nor  
selfish ends but for the benefit of the whole  
community. You have come together with  
your friends for possible the last time as an  
organized body. You leave here as individu-  
als ready each to take up his life work.

Up to this time you have been recipients in  
part of the protection and bounty of individ-  
uals, of the family, of the community, and of  
the state, which have been freely bestowed  
upon you. This has been done in the hopes  
and expectation that, having made a large  
investment in your education, you will now  
go forward and return with interest the in-  
vestment thus made. Now you have before  
you the joy of opportunity. You can soon  
give expression to some of your ideals, or at  
least can utilize some of your restless energy  
in work which seems to count for progress.

### Opportunities for the Engineer.

The need and opportunities in modern life  
for the engineer are steadily increasing. Each  
new invention creates a necessity for two  
more. The use of the relatively simple in-  
strument, the telephone, has called into being  
an occupation requiring thousands of electri-  
cians and men educated in engineering prin-  
ciples, not alone of electricity, but of other  
branches. The wireless telegraph is making  
urgent demands for still another body of  
men with slightly different training and ex-  
perience. And so it goes in all the branches,  
electrical, civil, mechanical, and mining.

The aeroplane is promising to call into  
activity the best of engineering skill and  
intellect; with the surmounting of each na-  
tural obstacle there comes the demand for  
pioneers in new fields, and especially in those  
occupations which relate to the interest of  
the people as a whole, organized into modern  
social units.

The number of persons now engaged in  
engineering is not known and in fact cannot  
be ascertained until we agree more definitely  
upon what shall be included under this very

general term, but from a condition of less  
than a tenth of one per cent. of the popula-  
tion a few decades ago, the proportion has  
increased with great rapidity; still the de-  
mand of the public increases. There ap-  
pears to be no reliable statistics of the rela-  
tive proportion of engineers in private and  
in public employment, but from general ob-  
servation it is safe to say that the number  
in the public service is relatively less and far  
below what it should be, when we consider  
the nature of the duties involved.

Throughout the entire political organiza-  
tion, there has been and still is a tendency  
to ignore the special training of the engineer  
in civic affairs. This is due largely to the  
engineers themselves and to their organiza-  
tions, some of which in their ultra-conserva-  
tive attitude tend rather to repress than to  
push forward the claims of the engineer for  
recognition as a factor for good in the larger  
affairs of the country. Judging, however,  
from the developments abroad, with increase  
of knowledge, our people will begin to under-  
stand and appreciate that the conduct of  
many of our larger public affairs can be en-  
trusted safely, only to the men who have  
been trained in the business and who may  
look forward to such continuity of employ-  
ment as to enable them to perfect themselves  
in the details of public service. We may not  
expect perhaps to see at an early date the  
principal officers of our municipalities em-  
ployed as in some European cities, solely be-  
cause of their business ability and experience  
in such lines, but we are slowly working to-  
ward that ideal.

### Knowledge of Men.

In public service, more than in any other  
class of work, a knowledge of men, especially  
in groups, is more important for success than  
almost any other single item. And the train-  
ing of an engineer begins mainly with the  
facts as to the strength of materials and the  
action and reaction of the forces of nature.  
At the outset, he must understand thoroughly  
the machinery with which he is to achieve  
results.

The most important of the machinery with  
which the engineer has to do is the human  
machine, including in this the laborers, the  
foremen, the engineering organization, and  
all others, together with their peculiarities of  
mental and physical make-up.



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In the same way, the engineer is concerned not simply with a single man, as such, but particularly with men in organizations designed for constructive work and where efficiencies must be studied not on the basis solely of the individual, but of the interrelation of the units and groups; of the human machine in which the wheels and bearings are men and not metals.

**Public Service as a Duty.**

It has been shown that it is peculiarly the duty of the engineer, as a man trained largely at public expense, to take a broad interest in public affairs, whether employed in the public service or not. The present century is marked by the wonderful advances which are being made in material prosperity, which have arisen from careful observation and study of forces, and materials and the intelligent and ingenious application of these to the human needs. In fact, the engineer has been so busy in these studies and in the practical applications in detail that as a class he is under reproach of having neglected his larger duties as a citizen. As a consequence there have been left to the unskilled men, or to the other professions, the leadership which properly belongs to his own.

**Study the Costs.**

Efficiency is the watchword of the engineer. The time has gone by when man took pride in a great engineering structure or machine simply because of its elaboration and intricacy. They now ask not merely what it does, but how efficient is it. That is to say, what is the relation between the work or energy put into the machine and that which comes out of it in useful results.

The engineer has been defined as the man who can accomplish with the expenditure of \$1 the results which require another man to use \$2. This is simply defining efficiency in terms of money values. While we cannot properly measure ability directly by dollars, yet they furnish the convenient means of expressing ideas of efficiency to the public.

**Full Records.**

The result of studies of cost, whether made by you individually at odd moments or officially for your employer, or for the public, should always be given not merely in actual expenditures but in terms of the results attained, including the items usually grouped under the terms of overhead charges or general expenses. A good system of cost keeping in which all of these items are included is invaluable, while a defective cost system which does not take into account these ramifications may be worse than useless, as it is misleading.

You will find that in the long run, especi-

ally in public affairs, your reputation is dependent largely on the maintaining of records of this kind which will give all of the facts of cost and of related incidents such as to protect you from the effect of sudden attack.

**Personal Efficiency.**

The watchword of the engineer is efficiency, the maximum output for a given expenditure of time and energy. This should apply to the individual as well as to the surrounding organization. We hear more or less of business men and engineers breaking down under the strain of business cares. Stated broadly, a breakdown of this kind is a disgrace to the engineer who has been trained to observe the operations of machines and organizations and to know the strains to which they can safely be subjected. The same vigilance which should be exercised toward the outside machinery should be given to personal affairs.

Constant attention and study must be made and critical consideration given to the relative importance of all of the details of official life. Nearly every engineer who accomplishes anything has on hand two or three times as much work as can be given proper attention and usually those items are most attractive to him which really have the least importance.

It is a process of continual self-denial to shove aside the minor matters which are attractive, in order to push forward those which are distasteful but upon which hinge the successful outcome of the work.

It is well to consider each demand upon the working time and energy as falling under one or another of two headings; first, constructive, that is to say, leading to accomplishment, and, second, obstructive, or destructive, tending simply to hold back performance.

There is nothing more destructive to efficiency than to ask the question continually as to whether this or that particular thing is for me to do. It is safe to assume that if a thing is to be done, you are the man to do it. Starting with this assumption, the next question is equally important,—can it be done in whole or part by someone whom I can direct and who has better opportunity or equipment?

Whatever may be the political or other conditions, the powers that be are always looking for a man who can accomplish things either himself or through others. He may not apparently obtain the credit for it, or at least outwardly, but few employers, whether the public or a corporation, fail to discover finally the man who is accomplishing results! Whether the direct credit is given to him or not, it counts for very little because there is

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in these matters frequently a curious inversion or reversal of credits. Much of the best work which men have done has been that which has been ignored or attributed to someone else, while the things for which they are credited are often those which have originated with their assistants. In the long run, there has been more or less compensation.

The most important thing for you to do in the immediate future, whatever your line of work, is to acquire a reputation for judgment or common sense. It is assumed that you have a reasonable amount of knowledge and a good foundation of character, but it is yet to be demonstrated how well you can get along with your fellowmen, what is your tact, and especially how you will meet the daily emergencies. In this connection in public affairs at least it is wise to keep well within conservative lines. A reputation for boldness may be a good thing some time, but the public in general are better satisfied with the man who, while having brilliant ideas, does not attempt to try these at the expense of the public, even though they may succeed. Energy and skill are always appreciated and if these are combined with that indefinable quality known as common sense there is little to be desired.

**Entering Public Service.**

Assuming that opportunity is to be had in public service, and along the lines of the highest development of civilization, what is



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there to prevent its acceptance? Why should not every graduate of an institution of this kind seek to work out the highest ideals along these lines?

There has been and probably always will be more or less of a tendency to decry the public service as tending to lower men's ideals. There is enough of truth in this to make these unfavorable conditions the subject of consideration; enough at least to know and to guard against the discouragement which is apt to follow ignorant belief that because a man's motives are good, therefore the public will come to his support.

When the question is asked, I have never advised any young man to go into public employment, if he looks at it from purely selfish, or the financial standpoint. It is true that at first, he may have a tempting offer and in many lines of public service the young, untrained engineer is paid at first more than he is worth. As he advances in experience and judgment and really becomes valuable in the public service, his salary does not increase proportionately. Finally, after years of service he may be one of the poor-

est paid of his profession, as far as money consideration goes.

There is, however, an attraction or fascination which holds; a delight in handling large things and being in the midst of works which count for the general welfare. The public service is continually being entered at the bottom by bright, energetic young men, some of whom stay for a time, obtain a certain experience, and reputation (having thus a sort of post-graduate course) and then go out into other work.

What is there that should attract and hold a man, causing him to deliberately plan to devote his life to the public service? The reply must be in the form of another question, namely, what does he consider success? If it be money-making and comparative ease, then do not try it. If, opportunity to do a man's work with men and in a man's way, constantly meeting and overcoming obstacles, and building up those things which make for better life for the community, then come along.

You have learned that force and matter are indestructible; that you have brought nothing into the world and can take nothing away; what then is the use? You have simply the power of slightly rearranging the appearance of a few forces and of a little matter. But wait a minute: You will take something away which is not force nor matter—if the beliefs of many of us are correct,—the Spirit, the satisfaction of a life well spent in the service of humanity. As to whether this is worth while or not I will leave for each of you to decide.

**BUILDING OFFERS OPPORTUNITIES.**

The building industry offers to the young man who is seeking a vocation in life rare inducements, and opportunities which from the standpoint of doing something worth while as well as from that of profit and ultimate success or, to put it vulgarly, getting rich, is concerned are not surpassed in any business or profession.

This statement has often been made in these columns, but it is worth iteration and reiteration, says a writer in a recent issue of the "Construction News." There are many reasons for the supremacy of building over many other lines of industry in which one may embark. There is scarcely a community of any size in the country in which there is not a shortage of dwellings or property for residence uses, look where you will if you please, and you will find this to be true of the larger cities in which the proportion of increase is naturally greater than ever. The creation of something is probably the most interesting thing to a growing, healthy mind that one can engage in.

Good building construction requires close attention, and the man who is ambitious to excel will find an abundance of opportunity to exceed his former attempts to attain perfection. It does not take so much money, but it does require a good clear head, a mag-

netic personality, integrity, enterprise and ambition to excel in what one undertakes. These qualities make for success in anything, whether it is in a profession or business, but they seem to count for so much more in building operations; that is, buying land, improving it with buildings and selling at a profit. It is a pleasure to watch things grow, to observe the precision with which every detail works into every other detail, to overcome all sorts of obstacles and to have an ambition to attain perfection and to attain it as nearly as it is possible to do. Furthermore, there is scarcely any business or occupation in which one can embark in which there is so much liberty and freedom as there is in the building construction to the man who understands the business. He can begin and construct two or three buildings at the opening of the season and have them rented before they are really finished and at a figure which will pay a good return upon the investment.

If he is so disposed after a while, after his accumulations justify it, to close up his business for a few weeks or a few months, go away and return refreshed and with increased zest go ahead upon a broader scale than ever, success in the past giving him assurance that he will succeed in his future undertaking. It is believed that Chicago is growing more rapidly now than ever and that this is as good a field as any in which to embark and reap the fruits of careful and intelligent application in the building industry.

**WASTING MONEY.**

It is stated on good authority that a large amount of money is wasted each year through the practice of using cement sacks to cover cement and concrete. The sacks are frequently sprinkled with a hose in order to keep the concrete moist. Again, sometimes in freezing weather concrete is covered with sacks upon which manure is spread to keep the concrete from freezing, with the result that the sacks are destroyed.

The area of a cement sack when spread out flat, says "The Lehigh," is about  $3\frac{1}{4}$  square feet, so that the cost of covering cement or concrete with 10-cent cement sacks is at least 3 cents per square foot. The price of tarpaulins range from  $3\frac{1}{2}$  cents to  $9\frac{1}{2}$  cents per square foot, and a good waterproof tarpaulin may be purchased for 6 cents per square foot. Therefore, if such a tarpaulin is bought and used twice, it has paid for itself as compared with the use of cement sacks for the same purpose; and there still remains a tarpaulin in first rate physical condition, capable of being used many more times, as against a pile of rotten sacks which is all that is left after they have been misused in this way.

Wouldn't it be a good investment to lay in a few tarpaulins, which may be used for other purposes besides covering concrete, and which will last and do good service for an indefinite length of time?

Cement users and contractors by heeding this suggestion will put money in their pockets.



## UNIFORM CITY PLANNING

National Conference takes up question of American Code and Legal Committee takes Tentative Action

By ANDREW WRIGHT CRAWFORD

Assistant City Solicitor of Philadelphia

*Paper read before National Conference on City Planning, at Boston, May 19, 1912*

The Executive Committee of the National Conference on City Planning has suggested to its Committees on Legal and Administrative Methods, the preparation of an uniform City Planning Code. England and America offer precedents for such a code, but these precedents for such a code, but these precedents are decidedly limited. The English Town Planning Act passed in 1909 under the leadership of John Burns, M. P., is the English precedent, and the Constitution of our States and of the United States prevent it from being of much assistance to us. The uniformity of an American Code is suggested by the Uniform Negotiable Instruments Law passed by forty states and the Acts on Sales and certain other topics now being considered by the Legislature of the several states, to avoid the medley of decisions arising from different interpretations of the common law.

Any code of city planning, with our present knowledge of the subject, can be put tentatively drawn. This was recognized by the Executive Committee in its suggestion that a preliminary draft only of a city planning code should be submitted with the expectation that it will be recommitted to the succeeding committee on Legal and Administrative methods for such changes, alterations and additions as may appear desirable as the result of the deliberations of this Congress. As your researches reach more and more under the surface into the relationship of the different elements that enter into city planning and as the natural laws that control such relationships are more and more clearly discovered and enunciated the provisions of the statutory law that should be enacted accordingly will be more and more clearly defined. Your Committee, therefore, offers the drafts of portions of such a code not as a finality, but as a convenient method of presenting the subject for analysis, discussion and suggestion.

The subject is difficult because of the varying laws already in existence throughout the Union. That the laws in each state are entitled to consideration is obvious from any practical point of view. Each state is the sole judge of the functions which are to be delegated to its cities. As the city is but an arm of the state and therefore a mere agent, it can generally exercise no power or author-

ity which is not specifically or by necessary implication conferred upon it. When there are 46 different legislatures with varying knowledge of the needs of cities or of their relative importance, of the questions social as well as governmental that they present, it is but to be expected that the charter powers of municipalities throughout the United States will differ even in important respects from the charter powers of other cities of the same class.

### Scope of Proposed Code.

Before the preparation of even these preliminary drafts it was necessary to determine the conclusion that the Committee should come to in regard to the scope of the code. An Act that wipes out existing authorities and substitutes a different body will meet the political opposition of all existing authorities.

This Conference is a practical body brought together to get practical results. The best way to get these results is to secure their adoption in principle, without too great concern over details. It has therefore seemed to your Committee the wiser policy at this stage of the development of City Planning to provide for a new body to be superimposed upon existing authorities, who themselves shall be represented in that body, rather than to attempt to create a complete substitute. For this the Connecticut Act that created the Hartford City Plan Commission offers valuable suggestions.

### Pioneering in Legislation.

In any movement that is so pioneer in character as is the movement for the city planning, it is necessary not to be deterred by the newness of an idea in legislation. We must be prepared to face opposition based on ignorance as well as opposition that takes that form of conservatism that fails or refuses to recognize that each generation must advance and will advance in its theories and practices over those of the foregoing generation. The ideals of one generation, it has been wisely remarked, become the actualities of the next and the law is but the formal recognition of these ideals in practice.

The fear that an act may have to stand the ordeal of battle before the courts is no reason

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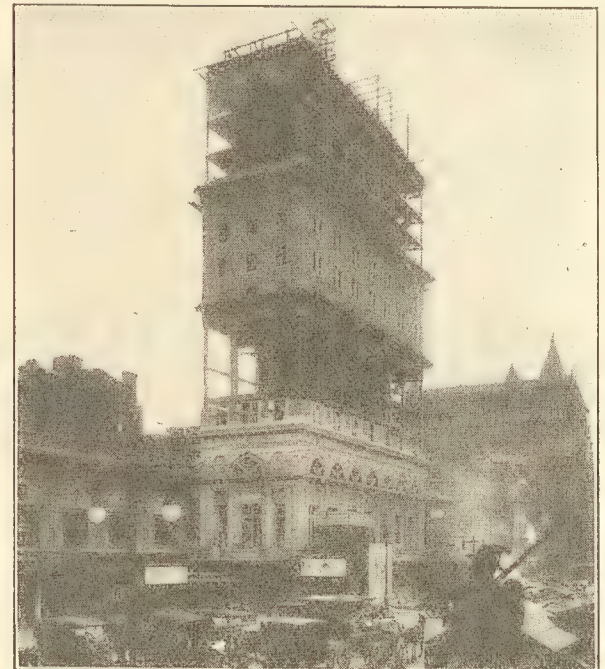
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for failing to make the effort to have such an act passed by the Legislature. The fear that judges are not sufficiently educated to appreciate what is desired to be done is not a reason for failing to press forward the required legislation, but is a reason for undertaking the education of the judges. When we are breaking the ice we are not on solid ground. Thirty years ago acts to limit the working hours of women to eight hours a day would have been regarded by unanimous courts as infringements of their right to contract as they choose. It is now recognized not only that such acts are sound in economic policy but that under the policy power of the state that are constitutional in law. Your Committee, therefore, does not hesitate to recommend the enactment of provisions some of which doubtless will be contested in the courts.

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#### Why Separate Acts Are Presented.

Your Committee is, however, not so determined to emphasize the pioneer character of the investigations of this Conference as to neglect the help that may be derived from practical sub-divisions of its work. As it appears likely that certain of the provisions of a City Planning Code will be attacked, your Committee deems it advisable at this time to present not one act but several acts which, as time goes by, may be brought together. If an attempt were made now to combine all the provisions that appear desirable in one act, it may well be that one set of its provisions would be held unconstitutional although other provisions were well within the power of the law-making bodies. The questions in such cases is whether the un-

constitutionality of the set of provisions so affect the whole act that its remaining provisions cannot be held valid apart from them. For instance, the power of excess condemnation and the power of preliminary plotting in undeveloped sections so as to prevent the erection of buildings within the limits of the streets plotted, are each of them subject to objections regarded a generation ago as fatal. Why then make the constitutionality of one dependent more or less upon the constitutionality of the other? Why not let each stand or fall on its own merits? Your Committee deems it only reasonable that each provision should be construed by itself, confident though they are that each will be generally upheld. We, therefore, at this time do not present a uniform code but instead a series of acts on city planning, all related to each other but to be submitted for enactment separately.

#### Excess Condemnation.

City Planning necessarily has to do with transportation in the broadest sense. Transportation covers not only vehicular methods of transportation from one point to another by means of steam railroads or street transit systems on the surface above or below ground, but the method of transportation by the streets themselves. The space occupied by streets includes from about 22 per cent. to 50 per cent. of the area of the developed portions of cities. Your Committee presents herewith the legal aspect of street reconstruction and of street platting. Street reconstruction chiefly concerns the opening of new streets and the widening of old ones in the central or developed portions of cities and street plotting chiefly has to do with the location of

streets in undeveloped areas. While in individual cases reconstruction may possibly be done altogether at the expense of the taxpayers, general reconstruction such as we have been familiar with for years abroad and such as will continue necessarily through all time in every city, can only be undertaken effectively if the city may condemn more land than it wants in order to resell with proper restrictions. It is practically essential that the power of excess condemnation shall sooner or later be upheld, if American cities are to be rebuilt as European cities are being rebuilt.

The draft of an act authorizing excess condemnation is presented herewith.

#### Street Plotting.

The other main problem with regard to the street system concerns chiefly the planting of streets in undeveloped areas. Here is a pleasure to a loyal son of Pennsylvania to be able to say that his mother State points the way; for, in Pennsylvania we have an act which provides that the engineering authorities may plat streets and that when the streets are so platted no building shall be erected within the limits thereof or, if erected within such limits, no damages shall be paid the owner when the street is formally opened. By "opening" is meant the acquisition of the public right of way. It has been decided in other states that such acts are unconstitutional because they deprive the owner of an important use of his property during the period between plotting and opening, without compensation. This Act has been upheld in Pennsylvania and it is at least questionable whether it would not now be upheld generally throughout the country as a reasonable exercise of the police power. We believe, however, that it is altogether unnecessary to rely upon the police power because all rights of owners can readily be provided for through compensation by an Act slightly varying from that of Pennsylvania.

A draft of such an Act is herewith presented. Its main outlines are as follows, the latter parts varying from the Pennsylvania Act. The Act provides that the proper authority shall have the power to plat streets in undeveloped areas, that thereafter no building shall be erected by the owner within the limits of such streets, or, if erected, that no damages shall be paid the owner when the formal right of way is acquired through proceedings of eminent domain. The platting of the streets does not give nor attempt to give title to the right of way but it does deprive the owner of the use of the ground within the right of way for purposes. The Act therefore authorizes and directs that the owner shall be compensated for the deprivation of the use of his property to this extent; when the street is formally opened he is to receive full compensation not only for the easement then acquired by the city but, in addition, for this deprivation between the date of platting and the date of platting and the date of opening. He will, therefore, secure compensation for every element of his ownership. Should the street be platted and thereafter



the location of the proposed street be changed, the Act provides that the owner shall then have the right to secure compensation for the deprivation of the use of his property within the platted right of way during the time between the original platting and the subsequent removal from the plan. By this method he will secure compensation for the right of which he has been deprived for that length of time. It will be observed that the owner has no immediate right of action because of the platting of the street. It is unnecessary in our view of the law that he should have any immediate right to such compensation. Justice Sharswood, of the Supreme Court of Pennsylvania, states that when property is taken by the right of eminent domain "the obligation of compensation is not immediate. It is required only that provision should be made for compensation in the future." *Hamment v. Phila.* 65 Pa. 146 (1870).

If this statement by one of the two greatest judges of Pennsylvania should not be regarded as law by other states it will then be necessary in such states to provide for immediate compensation for the loss of the use of his property to this extent. But we are satisfied that generally this will not be found necessarily except where the State Constitution expressly provides for compensation before any taking at all.

Closing akin to this matter is the power to widen streets gradually by providing that as houses fronting thereon are altered they must be set back to a new building line. For instance, the widening of Chestnut street from 50 to 60 feet has been proceeding since 1883, and you may see four buildings between Thirteenth and Broad streets on the old line. The city has now reached the point where it can order these buildings that remain back to the new line without overburdening the public funds. An Act to give this power generally is herewith presented.

#### Plotting of Public Reservations.

The next Act of Assembly that we submit is that concerning the plotting of areas in undeveloped sections of the city, which areas are intended for parks, playgrounds or public buildings of various kinds. It is just as important to systematic and wise city planning that reservations should be plotted as sites for future parks, playgrounds, school houses, fire houses, libraries, etc., as it is that the streets should be located in advance. But the ground should be reserved generally, instead of specifically so that future developments may determine the precise use to be made of the particular area. The Act of Assembly herewith presented provides for the plotting of the areas intended for such purposes and also provides that no buildings shall be erected on such areas, by the individual owner, and if erected that no damages shall be given for them. The same provision is inserted providing for compensation to the owner for the loss of the use of his property for building purposes between the date of the plotting and the date of

actual condemnation, and likewise, there is the same provision for compensation to the owner should the plotted location be changed.

#### As to Reservation for Tenements.

Here is a wide field for discussion; but that discussion is sociological rather than legal in our present knowledge of the subject. Until this Conference determines to what extent it believes the policy of providing for the submerged tenth by the erection of tenements similar to those of Liverpool, London and elsewhere, shall be followed in American cities, it is hardly within the province of this Committee to attempt a draft of legislation. You don't know what you want and until you do know there is no use inventing legal machinery to produce a result which perhaps within a year or two will be a result you may decide is not desirable. Your Committee, therefore, does not present any act looking to the plotting of undeveloped areas for such purposes.

#### The Districting of Cities.

Another suggestion closely akin to the one which your Committee has just refused to undertake at the present time provides for the creation of districts in cities. Here your Committee believes the Conference is clearer

as to what it really wants done than in regard to the subject just considered.

Your Committee believes that in view of these two suggestions of the Supreme Court of the United States you will be ready to consider the Act which we present herewith providing for the districting of cities so far as the height of buildings is concerned. It does not believe that you are ready to consider an Act providing for the districting of cities so far as the use of such property is concerned for housing, business or other purposes.

#### Some of the Subjects not Covered.

An important subject which we have not covered is the method of procedure in the acquisition of rights of property under proceedings of eminent domain. The New York taxpayer pays none of the cost of opening of streets, 60 feet or less in width, or their grading, curbing or paving or other street improvements. Other cities take the taxpayer's money for some or all of these purposes. Your Committee believes that the evil from which New York is happily free, should be removed from other cities and to this end suggests that a special session at the next Conference be devoted to this technical but financially important topic.

## Shop "Kinks"

The following materials for colored concrete work have been recommended by an American authority, according to "Cement Age." The quantities given are per barrel of cement, mixed dry with the cement and sand. The sand must be thoroughly dry. In mixing the colors should be made deeper than the required tint, as drying results in bleaching. Venetian red and common lamp-black should not be used, as they are liable to run and fade. The schedule for colors is as follows:

- For brown, 25 pounds best roasted iron oxide; or 15 to 20 pounds brown ochre.
- For black, 45 pounds manganese dioxide.
- For blue, 19 pounds ultramarine.
- For buff, 15 pounds ochre. (This is likely to considerably reduce the strength of the mixture.)
- For green, 23 pounds greenish blue ultramarine.
- For gray, 2 pounds boneblae.
- For red, 22 pounds raw iron oxide.
- For bright red, 22 pounds Pompeian or bright English red.
- For purple, 20 pounds Prince's metallic.
- For violet, 20 pounds violet iron oxide.
- For yellow, 22 pounds ochre.

\* \* \*

#### TO MAKE FIREPROOF PAINT.

Mix together four pounds of asbestos powder, one pound aluminate of soda and one pound of lime. Stir in three quarts of silicate

of soda. Tint with any desired coloring (mineral preferred); then reduce with water to the proper consistency for application.

\* \* \*

#### MIXER TROUBLES.

To a large extent mixed troubles are journal troubles. Excessive wear or shifting of journals makes the gears mesh improperly and in time causes traction rings to corrugate or cup. This last is one of the most serious of mixer troubles, and it is invariably due to play in the journal boxes. This same corrugation is observed in the rails of trolley lines, etc., and has been traced to play in the journals. Look after your journals and your mixer will never cause serious trouble.

\* \* \*

#### RENDERING CELLAR WALLS WATER TIGHT.

Mix clear Portland cement as thick as heavy cream and brush it thoroughly in all the crevices of the wall and then before it gets dry put about one-half inch of clear cement mortar over it with a trowel; it will stop the trouble.

\* \* \*

#### A GOOD FIRE STOP.

Filling the hollow space behind the base board a foot deep with cinders mixed with a little cement and water in the proportion of, say, 10 to 1, makes a good fire stop. Sand mixed with cement in the same way or mineral wool answers an excellent purpose.



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## Editorial Comment

While building work for the present year up to and including August shows a falling off of some \$5,689,075 from the totals of the corresponding eight months of 1911, this shrinkage is not of a nature to warrant any one indulging in gloomy predictions regarding the year as a whole. The decrease in expenditures may be accounted for largely from a marked reduction in the number of dwelling house operations, a form of activity considerably overdone in Philadelphia within recent years. Advance knowledge of important work contemplated warrants the view that the close of 1912 will show figures equalling if not exceeding the returns for 1911, despite the curtailment of expenditures in this avenue.

The report of the Bureau of Building Inspection for the eight months of this year shows that 6,783 permits for 10,395 operations, at a cost of \$26,251,940 were issued. By comparison with the corresponding period of last year, this is a poor showing, as during that time the expenditures amounted to \$31,941,015. This falling off amounts to \$5,689,075 and is entirely due to the fact that operative builders have at last realized that there has been an over-production of dwellings during the last eight years, and that it will require at least two or three years before the demand for dwellings will equal the supply.

From January 1 until September 1, of last year, work was begun on 7,292 dwellings, requiring an outlay of \$18,289,850, while during the same period of the current year the Bureau issued permits for but 4,136 houses, which will require an outlay of \$10,721,985. The lessened expenditures in this kind of construction work amounts to \$7,567,865, showing that outside of dwelling construction work building conditions are very favorable, and builders this year are just as busy as in any of the preceding years, only their activities are being applied to larger jobs, such as hotels, apartment houses, commercial building and manufacturing plants.

The extent to which dwelling construction work has been carried in this city since 1905 is remarkable when the total figures are considered, and it can easily be seen that this kind of work has been allowed to go on without any thought being given to the real demand, based on the increase of population.

The number of dwellings that have been built since 1905 up to date is as follows:

	Houses.	Cost.
1905.....	9,420	\$21,093,280
1906.....	10,212	22,987,080
1907.....	8,441	18,492,075
1908.....	6,275	14,513,475
1909.....	9,820	22,108,930
1910.....	9,140	21,507,990
1911.....	8,623	20,564,350

1912..... 4,136 10,721,985

Totals ..... 66,067 \$151,989,165

As the average number of persons to a dwelling is five, 330,335 persons could be accommodated, while the census figures show that the increase of population is only half that total, entirely eliminating the fact that during the same period there have been erected a large number of flat and apartment buildings that accommodate from two to twenty families each.

A gratifying feature of the figures this year is the huge number of manufacturing buildings on which the work of erection has been started, indicating that this city's industrial facilities are constantly on the increase. So far this year builders have erected 55 manufacturing buildings, costing \$2,467,900; 41 workshops, requiring an outlay of \$157,510, and 17 warehouses at a cost of \$544,500. Fifteen houses of worship are also being erected at a cost of \$373,390.

This year's figures will be considerably augmented as permits will be issued shortly for the Adelphia Hotel, at Thirteenth and Chestnut streets, to cost upward of \$1,500,000; two Y. M. C. A. branch buildings, costing \$250,000 each; several large moving-picture houses, several large churches and a number of large commercial buildings, which in the aggregate will add about \$7,000,000 to the year's totals.

## Report for August.

The figures for August, showing the permits, operations, estimated cost and character of the work, are as follows:

Character	Permits	Op'ns.	Estimated Cost
Dwellings, 2-stor.....	16	400	\$992,550
Dwellings, 2-story.....	16	400	\$992,550
Dwellings, 3-story.....	32	53	371,050
Dwellings, frame.....	2	2	1,400
Tenement houses.....	2	2	360,000
Stables.....	13	13	18,150
Manufactories.....	13	13	441,300
Workshops.....	5	5	5,300
Garages.....	24	24	44,875
Office buildings.....	3	3	83,900
Stores.....	3	5	13,300
Warehouses.....	3	3	60,600
Engine and boiler houses	2	2	2,200
Churches.....	3	3	10,000
Depots.....	1	1	225,000
Parish buildings.....	1	1	30,000
Miscellaneous buildings	15	15	13,450
Additions.....	171	180	426,175
Alterations and repairs.	282	292	266,940
Miscellaneous work...	172	196	36,325
Heaters.....	46	57	35,845
Fire-escapes.....	29	29	6,355
Signs.....	10	10	1,220
Totals.....	908	1,309	\$3,445,935



Real estate brokers and operators in New York City are practically unanimous in the view that business will be better this fall than it has been for a number of years past and as New York is a kind of barometer for business conditions we may assume that this revival will be reflected here, comments the "Public Ledger." Already there are indications that the fall market will prove pretty active. While the volume of business during the summer months has been lower probably than for any summer for several years past, as evidenced by the number of transfers, large transactions in central realty have been almost if not quite up to the normal. During the past two months over two million dollars worth of realty has been sold in Penn Square and its vicinity alone, and in every instance at good prices, with the possible exception of the Harrison lot at 1420 to 1428 South Broad street, which only realized about \$9,200 per front foot. This price does not seem high when compared with the \$11,000 per front foot paid by the Pennsylvania Railroad for 16 South Broad street and the price of almost \$12,000 per front foot paid by the railroad for the Rothschild Building at 12 and 14 South Broad street. In the last two sales there were conditions, however, which probably influenced the price and which did not exist in the case of the sale of the Harrison lot. The latter, however, is one of the few large unimproved lots left in the high-priced section and it is somewhat of a surprise that it did not bring a higher price. A figure of \$10,000 a front foot does not seem high for Penn Square and it is probable that few, if any, other properties in this section of the square could be acquired for less. The Harrison estate, however, had been carrying the property for a number of years past at an annually increasing loss, and in recent years the heirs had been anxious to sell it, particularly after the failure of several promising projects for a hotel on the site.

The new owner, whose name is not disclosed, has under consideration the improvement of the lot by a very tall office building. Some reports have placed the number of stories as high as thirty-two, which is getting up to New York's standard for skyscrapers. It is considered unlikely, however, that such a structure will ever be built in Philadelphia. The very tall office buildings which have been erected in New York City in recent years have not proved to be the excellent investment which was expected of them. They cost too much for one thing, the great depth to which the foundations must be carried rendering them practically prohibitive as investment propositions. The Singer Building in New York, it is said, has not paid since it was built, and it will be years, if ever, before it becomes a paying proposition. As it was built, however, by the Singer Company more as an advertisement than for any other purpose, the question of an investment in its case is not essential.

The removal of the Stock Exchange to Broad and Walnut streets will naturally cre-

ate a demand for more offices, but this demand seems to be already in a fair way of being supplied not only by the Stock Exchange Building itself, but by another seven-story building which is being built on the opposite side of Walnut street. The owners of office buildings in New York in certain sections admit that the city is overbuilt in office accommodations and that it will take several years yet to bring the demand up to the supply. This is a condition disastrous to investment, as it inevitably leads to sharp competition, followed by a drop in rents and, if long continued, a shrinkage in values. Office buildings have not been built in Philadelphia with the same speed, however, as in New York, or with as little consideration. In the last ten years they have been built at almost every available corner of the lower section of Manhattan with the result that that section is overstocked. The great value of the ground in certain sections of New York City has had much to do with this prolific produc-

tion. The growth was so rapid in some sections that after a few years it became profitable to tear down a big office building, either to sell the ground or put up a bigger one on the site.

There is no such condition here. One reason given in New York for the difficulty of getting a loan in that city for an office building in Philadelphia, is because office buildings in Philadelphia are described by New York financiers as "top heavy," that is the building itself is worth more than the ground. This is not true of all office buildings here, but it is certainly true of some of them. It is a condition which will not be altogether remedied from the New York point of view, if it really needs remedying, till ground has attained such a value in the office building section here that it will begin to pay to tear down a few of them and sell the lots for other use or erect larger structures on them, a condition of things which is still remote to Philadelphia.

## Architectural Notes

Professor Beresford Pite read a paper before the June meeting of the Concrete Institute, Great Britain, which has been the subject of widespread discussion in architectural and engineering circles abroad. "Concrete and Constructural Engineering," London, presents an abstract of this paper as follows:

Simplicity of intention in constructional design may issue in a native or spontaneous aesthetic quality. An undesigned beauty reached without treatment is often attained by such a structure as the ortho Bridge or a reinforced concrete silo. Mediaeval architecture grew up as a constructive method without aesthetic purpose and achieved results of great beauty.

Is not the opportunity given by the new process of reinforced concrete building one that could be utilized for the erection of the much-desired original and modern style of architecture? Are the new material and method together sufficient motive? Truthfulness of design to constructive purpose and elemental soundness of proportion, are these sufficient to provide that pleasantness to the eye which is desiderated?

Four conclusions arrived at: (1) We have no instinctive guidance towards an unbiased originality for a concrete architecture; (2) Abstract principles like those invoked of proportion are of no assistance; (3) Superficial treatments, as by color, are insufficient for architectural expression, though valuable in assistance; (4) The texture of concrete surfaces modifies and imparts special character to any forms employed for architectural purposes. Therefore, while modern considerations of utility and of novel constructional methods determine proportions, and may ulti-

mately develop aesthetic qualities, the scholarly and critical analysis and employment of traditional architectural forms, suitably modified for execution in concrete, is the proper method for the aesthetic treatment of concrete.

A historical review of the development of some characteristics of Egyptian, Greek and Roman architecture furnishes proofs of the non-relation of aesthetic treatment to direct constructive facts. Idealized representations of ancient types form the basis of both Egyptian and Greek characteristics, while the Romans frankly separated the decorative from the practical purposes of architecture. In Gothic art, however, the constructive craftsman was the artist, and the development of decoration is integral with building craft. In the other crafts of wood and plaster work motives are imitated from stonework and illustrate the modifications produced by the texture of the material into the design of details: of this the Elizabethan ornamental plastered ceilings originated from Tudor vaultings are illustrations.

Modern novelty of constructive method does not remove necessity for study of architectural development, but it will aid adaptation and modification, and thus pave the way for development. Modern Continental design is too eager to demonstrate elasticity possible in employment of form in unusual architectural relations. At home we still are safely and timidly putting brick and stone fronts to concrete buildings. There is a great future before concrete building, and it deserves that close and patient architectural study which, deriving from the past, will give certainly to the future aesthetic treatment of the material.



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### THE "DISAPPEARING" KITCHEN.

In one of its monthly reports the California State Board of Health comments as follows upon what has come to be termed the "disappearing kitchen:"

One of the problems of modern city growth is the condensation of the large, comfortable, family country homes 10 feet x 12 feet x 50 feet piled eight, ten or more high and flanked on either side by similarly condensed homes. These houses can have light only from windows in the front and back sides, and occasionally the diffused light from an air shaft. The only front yard is the fire escape; the only back yard is a narrow porch, and the limited air space made usable by an aerial clothes line. Under these conditions it is to be expected that disappearing beds, gas mantels and other similar devices for economizing space will be popular. To meet this demand has come what might be termed the disappearing kitchen. Just as the spacious, well ventilated old bedroom, with its wide-chimneyed fireplace, has been superseded by the small, illy-ventilated room which serves in the added capacity of sitting room by day, so the great, open, cheerful kitchens of old are being superseded by the twentieth century kitchenette. Limited facilities for cooking and serving meals mean limited range of foods which may be considered for the table. Through invention and clever application of the scientific principles of food preservation this limit has been gradually extended until the tin-can dietary may be made to cover nearly all the ordinary demands for proper food, but the cook must know her trade or the family will severally suffer. It is probable that the "disappearing kitchen plays a large part in the present-day prevalence of many diseases and functional disorders, especially of the alimentary canal. —"Building Age."

## Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

\*\*Plans have recently been completed for the construction of three more poured concrete houses at Virginia Highlands, near Washington, D. C., by the Poured House Construction Company. A California bungalow is to be erected for D. J. Murray on a plot 75 by 100 feet. A similar house will be built for J. S. Hahn and another for Dr. Robert Burg. Plans have been prepared for a fourth house for L. J. Benton, of New York. The steel forms used are the product of Reed & Morrill, Inc., 179 Jerolemon street, Brooklyn, N. Y., and sets have recently been shipped to Canada, Mexico and Paris and a contract has been closed for twenty Canadian cities. Developments similar to those at Virginia Highlands are going forward in New York, Boston, Chicago, Indianapolis and many other cities.

\*\*Under an agreement entered into by all manufacturers the price of Portland cement in the East has been advanced 10 cents a barrel, from \$1.00 to \$1.10 to dealers and from \$1.05 to \$1.15 to consumers.

\*\*President Morron, of the Atlas Portland Cement Company, pronounces the recent general advance in cement prices of 10 cents a barrel to \$1.10, a natural result of the increased demand which has occurred in the past month and a half. During the first half of this year Mr. Morron says, there was not much difference in tonnage sold, but production has been lowered and the supply of cement in the country is some 20 per cent. smaller than at this time in 1911.

\*\*Soichiro Asano, Jr., of the Asano Cement Company, of Japan, the largest corporation of the kind in the Island Kingdom, accompanied by T. Sakauchi, chief engineer of that company, is in the United States to investigate the methods of manufacturing cement in this country.

\*\*It is stated that the plan for the reorganization of the American Cement Company, of Philadelphia, may not be made public until fall.

\*\*A report showing fires in May, 1912, published by the Boston Manufacturers' Mutual Fire Insurance Company, shows sixty-six fires under automatic sprinklers, involving a total loss of \$4,446, and an average of only \$67.40 per fire. Reports are made of twelve fires in properties not protected by automatic sprinklers, in which the total loss was \$21,975, or an average of \$1,831.25 per fire. This contrast is entirely typical of the results month by month, and shows why it is possible for insurance companies to cut the rates in two when automatic sprinklers are installed to protect the properties.

\*\*There has been established in the Armourdale District, at Kansas City, an immense factory building, 300 by 600 feet, in which 1,000,000 feet of concrete roofing will be made for the new Union Station. This new roofing consists of concrete slabs made of steel wire reinforced concrete—by a patented treatment—and are two by five feet in size and one and one-half inches thick. The slabs are placed closely together on the steel girders, the cracks filled with tar and the whole covered with specially treated waterproof paper. The Federal Tile Company, of Hammond, Ind., has the contract for roofing the new station and erected the big Armourdale plant to take care of this work. However, the company will probably remain in Kansas City and erect permanent buildings.

\*\*According to the State Geologist of Florida, there are in that State millions of tons of material, limestone, clays and marl suitable for the production of Portland cement of standard quality.

\*\*It is safe to say that the majority of failures of reinforced concrete structures has been due to the premature removal of forms. It is not sufficient for an architect or engineer to state that the forms shall not be removed until the concrete has hardened sufficiently to permit of their removal with safety. The time which should elapse before removal should be stated.

Lockwood, Greene & Co., of Boston, architects and engineers for industrial plants, in drawing specifications for reinforced concrete structures, state in very plain terms the time that forms should stay in place, and an idea of just how their specifications read may be obtained from the following extracts from the specifications:

**Removals of Forms:** Under no consideration shall forms be removed until the concrete has hardened sufficiently to permit of their removal with safety.

**Slabs and Beams:** Forms shall not be removed from floor and roof slabs in less than seven days. Sides of beams may be removed at the same time as the floor slabs, provided original supports under beams and girders are left in place.

**Columns:** Where original supports remain under beams and girders coming to columns, the forms shall not be removed from the columns in less than four days.

**Supports:** The original supports for all beams and girders must remain in place at least ten days, but at beams and girders having more than 30-foot span from center to center of support shall be considered as special cases and subject to inspection of super-



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The length of time before removal of forms shall be increased on all cases and additional time allowed for each day the thermometer registers, at any time during the day or night, below 35 degrees Fahrenheit.

### RECENT TRADE LITERATURE.

The Oak Flooring Bureau have gotten out a second edition of their small but comprehensive booklet on Oak Flooring, which is full of valuable information to builders. It tells how to arrive at the amount of flooring required, all about handling, laying, scraping and finishing. It is to be had for the asking from the Oak Flooring Bureau, Detroit, Mich.

\* \* \*

A catalogue just received from Love Bros., Inc., Aurora, Ill., is of high order. Modern Store Fronts is the title of the booklet, which is bound in imitation white vellum, with raised lettering and a delicate cover etching. It is filled with illustrations of the line of goods manufactured by this firm.

\* \* \*

The Kewaunee Co., Kewaunee, Wis., send us their catalogue of laboratory furniture, which includes a complete line of everything required to equip educational institutions, also domestic science and domestic art schools, with the latest first-class furniture and fixtures. The catalogue will be sent free to any one interested in these specialties.

\* \* \*

The Hydrex Felt and Engineering Company, New York, issue a circular describing their products of waterproof felts, building papers, roofings, paints, etc., which will be sent on request.

\* \* \*

The Northern Pine Manufacturers' Association has begun an attractive publication, "The Pine Cone," which is sent free to all interested in white pine. The aim of the publishers is to impress upon the building public that the favorite building material is still produced in quantities ample for all demands. A question and answer department, or information bureau, is included in the contents.

### GUTTERS.

The question of gutters on a house has long been a perplexing one to both client and architect. Our ancestors seem to have done without them and to have been little disturbed by the damage done to paths, grass and flower-beds when the rain poured from from the roof. We moderns, in trying to avoid this, have invented all sorts of contrivances to carry the water along the roof to the leader. Of these the standing gutter and the hanging gutter are the best known. In an ordinary house that lays no claim to

A. J. Eggleston, Aurora, Ill., door hanger track. No. 1,036,589.

D. W. L. Frank, Sr., Chicago, Ill., combined level plumb and grade finder. No. 1,036,601.

Leon Lewandowski, Cleveland, Ohio, window operator. No. 1,036,658.

D. E. Moran, Mendham, N. J., building piers, shafts, etc. No. 1,036,680.

D. E. Moran, Mendham, N. J., sinking joint caissons and building piers, walls, etc. No. 1,036,681.

B. C. Rockwell, Malvern, Ark., door and window closure. No. 1,036,721.

Joseph Alsasser, Chicago, Ill., window. No. 1,036,773.

L. S. Couplin, South Greenfield, Mo., canopy screen for doors. No. 1,036,801.

distinction either of these types will serve the purpose, but the truth is, they are both most inartistic. The hanging variety, as a rule, is made of galvanized iron or copper and is at best a flimsy-looking affair that hides whatever crown moldings may be on the eaves and that conflicts, by reason of its downward pitch, with the horizontal roof lines. The standing variety is built in on top of the eaves, generally on the roof boarding, though sometimes let into the rafters to further conceal its ugliness. Unless exceptionally well constructed it rots out in a short time, being much affected by continual thawing and freezing of snow and ice in the gutter. When so many disadvantages can be charged against these two most employed types of gutter it seems strange that the really best kind—one that has been known for a long time—should not be more generally used. We refer to the simple V-shaped hanging gutter built up of two boards screwed together. It may be hung level to conform with the architecture, as the necessary pitch is secured by laying a scant strip inside at the bottom of the V; and it may be made something of a feature by having fine wrought iron or cast copper brackets to support it.

Besides being artistic, this V-shaped wood-gutter has the advantage of being able to wear out, if wear out is must, without damaging the house. If one board goes before the other it may be easily replaced.

Not only may the gutter be of wood, but even the leader or downspout. This is built in the form of a much attenuated rectangular box rabbeted together and screwed with brass screws that will not rust. Where leader and gutter join overhead the connection must be of metal; in hammered copper or lead these conductor heads make very decorative features for which old English houses offer many beautiful prototypes from the Tudor throughout the Georgian periods.—"House Beautiful."

## NEW INVENTIONS.

Reported especially for this paper by H. B. Willson & Co., Patent Attorneys, 715 Eighth street, Northwest, Washington, D. C.

A Complete Copy of any of these patents will be forward to any person by Messrs. Willson & Co., on receipt of ten cents. Persons ordering Copies must give Number of Patent.

Edwin Gustafson, Jamestown, N. Y., assignor to Levi Olson, Jamestown, N. Y., sheet metal door construction. No. 1,036,832.

Solomon Kirshen, Butte, Mont., rule pocket for arguments. No. 1,036,859.

C. H. Sparks, London, Eng., gutter bracket. No. 1,036,924.

T. A. Wilkerson, Windom, Texas, scaffold bracket. No. 1,036,945.

H. D. Baugh, San Bernardino, Cal., trowel. No. 1,037,105.

B. F. Bowen, Wayne, W. Va., securing appliance for window sash. No. 1,037,117.

Oscar Katzonberger, Chicago, Ill., aling plate for floor hinges. No. 1,037,149.

A man's efficiency can only be judged by the method he adopts in going after business. You may have a finely equipped office, your desks and chairs may be of mahogany, you may have a dozen filing cabinets and the brightest stenographer in your part of the State, but these do not necessarily spell success for you as a business man. They are valuable assets, but it is the ingenuity that you employ to bring in the orders that proves your efficiency.—Exchange.

### AN EPITAPH.

Here lies the remains of Jonathan Wise,  
Who all his days schemed to devise  
A way to reap fortune's golden prize,  
And failed, 'cause he wouldn't advertise.

## PATENTS

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### REAL ESTATE TRANSFERS.

Summary for week ending August 31, 1912:

Number of transfers.....	516
Amount of transfers.....	\$1,616,652.00
Cash consideration .....	277,402.00
Mortgage consideration .....	1,339,250.00
Ground rent consideration.....	7,125.84
Which on a six per cent basis amounts to .....	118,764.02



# Reference Directory for Architects, Builders and Owners

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Artesian Well Drilling Co.,  
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Mitchell Bros., 2125 Race St., Phila.  
Pomeroy Const. Co., 1609 Ranstead st., Phila.

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Henry T. Peirce, Bulletin Bldg., Phila.

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The Franklin Paper Co.,  
718 Cherry st., Phila.

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8th and Market Sts., Phila.  
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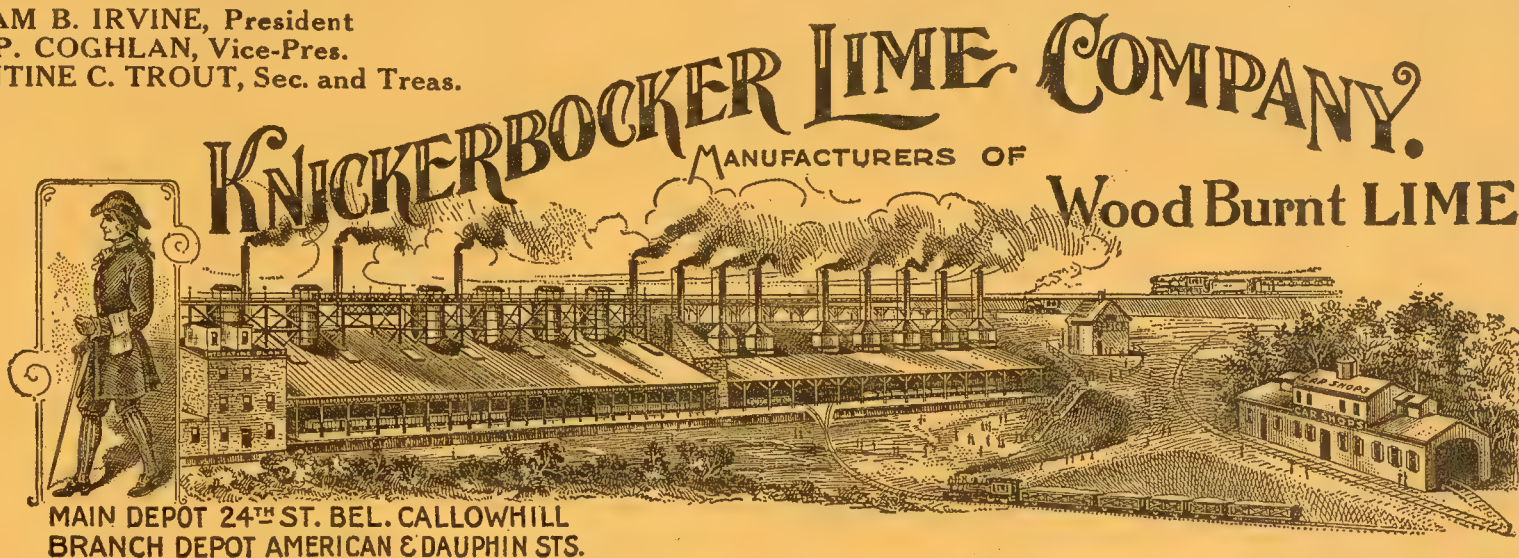
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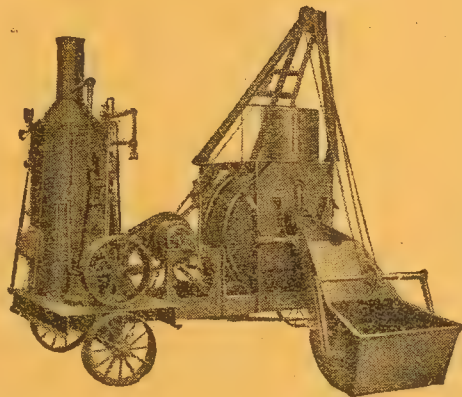
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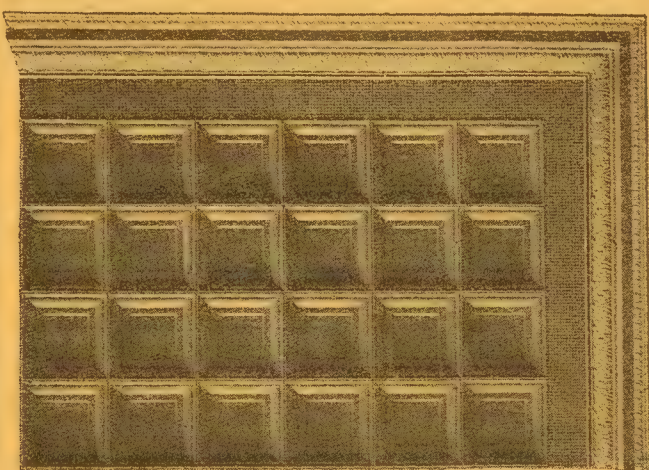
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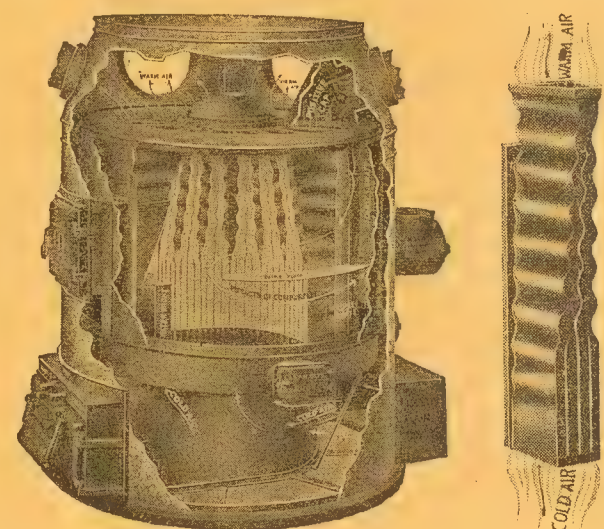
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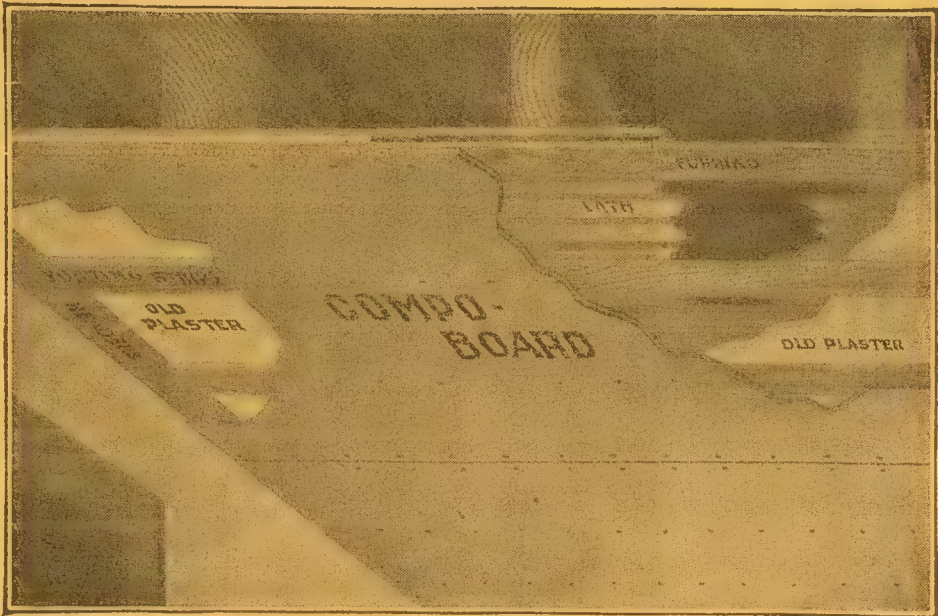
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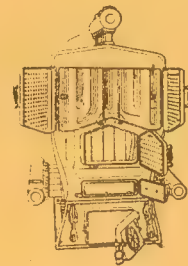
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Vol. XXVII., No. 37.

PHILADELPHIA, WEDNESDAY, SEPTEMBER 11, 1912.

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## Advance Construction News

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**Factory**, Albany, N. Y. Architects, Day & Zimmerman, 618 Chestnut street. Owner, Ox-Fibre Brush Company, Albany, N. Y. Concrete, two stories, 150,000 square feet, slag roof. Plans in progress. Architects will take bids in about one month.

**Hall Building**, Savannah, Ga. Architect, H. W. Whiteover, Savannah, Ga. Owners, Masonic Temple Association, Savannah Ga. Brick, marble, terra cotta and limestone trimmings, fireproof, slag roof (heat and light reserved), Architect taking bids due September 15. Charles McCaul Company, Tenth and Sansom streets, are figuring.

**Theatre**, Frankford avenue and Margaret street. Architect, J. D. Allen, Denckla Building. Owner, W. Frehofer, care of architect. Brick, fireproof, one story, 98x125 feet, slag roof, electric light, steam heat. Architect has received bids.

**Residence**, 1921 Walnut street. Architects, Stewartson & Page, 320 Walnut street. Owner, Alfred P. Moore, 1921 Walnut street. Brick, four stories, electric light, elevators. Architects have received bids.

**Warehouse and Office**, 1247 and 49 North Twenty-sixth street. Architects, Ballinger & Perrot, 1211 Arch street. Owner, Charles W. Young Company, 1855 North Twenty-sixth street. Brick, three stories, slag roof, electric light, steam heat. Architects taking bids due September 13. The following are figuring: Irwin & Leighton, 136 North Twelfth street; Turner Concrete Steel Company, 1314 Arch street; Philip Haiback Contracting Company, Twenty-sixth and Thompson streets; Cramp & Co., Denckla Building; A. Raymond Raff, 1635 Thompson street; B. Ketcham's Sons, 1129 Brown street.

**Factory**, Plainfield, N. J. Architects, Day & Zimmerman, 618 Chestnut street. Owners, Spencer Mfg. Company, on premises. Brick and concrete. Plans in progress. Too early for details.

**School**, Woodbyne, N. J. Architects, Moffett & Stewart, Camden, N. J. Owners, Board of Education, Woodbyne, N. J. Brick, two stories, 44x72 feet, slag roof, electric light, steam heat. Owner has received bids.

**Sub-Station**, Seigfried, Pa. Architects, L. B. Stillwell Eng. Company, New York City. Owners, Lehigh Navigation Company, on premises. Brick and concrete, one story, 59x76 feet, slag roof. Owners taking bids due September 13. J. Myers & Sons, Witherspoon Building, are figuring.

**Hotel and Boiler House (add.)**, Wernersville, Pa. Architects, Stout & Reibenack, Atlantic City, N. J. Owners, Galen Mountain Company, Atlantic City N. J. Stone, seven stories, boiler house, 25x40 feet, steam heat, electric light, slag and slate roof, elevators. Architects taking bids due September 16. The following are figuring: H. E. Baton, Tenth and Sansom streets; H. L. Brown, 1710 Sansom street; Roydhouse-Arey Company, Fidelity Building.

**High School and Boiler House (add.)**, Plainfield, N. J. Architects, Wilder & White, 156 Fifth avenue, New York City. Owners, Board of Education, Plainfield, N. J. Brick, three stories, 135x145 feet, electric light, slag roof, steam heat, boiler house, one story, 61x52 feet, slag roof. Owners taking bids due September 24. The following are figuring: Metzger & Wells, Heed Building; Abel Bottoms & Sons Company, 41 South Fifteenth street.

**Dormitory**, Trenton, N. J. Architects, Department of Correction and Charities, Trenton, N. J. Owners, School for the Deaf, Trenton, N. J. Brick, three stories, 36x113 feet, electric light, slag roof, steam heat. Owners taking bids due September 16. Metzger & Wells, Heed Building, are figuring.

**Residences (10)**, Thirteenth and Widener avenue. Owner, Ira K. Davis, Hale Building. Architect's private plans. Brick, two stories, 15x45 feet, slag roof, electric light, steam heat. Owner taking sub-bids on all work.

**Residence, Garage and Coachman's House**, Washington, D. C. Architect, Charles A. Platt, 11 East Twenty-fourth street, New York City. Owner, James Parmelee, Washington, D. C. Brick and marble, three stories, 50x151 feet, slate roof, electric light, elevators, steam heat, hardwood floors. Garage and Coachman's House, two stories, 65x112 feet, electric light, slate roof. Architect taking bids due September 12. J. S. Cornell & Sons, Land Title Building, are figuring.

**Baseball Cages and Back Stops** for the playgrounds, located at 22d and Sedgely streets, Fifty-sixth and Christion streets, Twenty-sixth and Jefferson streets. Architect's private plans. Owners, City of Philadelphia, Board of Recreation, City Hall. Concrete, iron and wire. Owner has received bids.

**Residence and Garage**, Merion, Pa. Architect, Charles Barton Keen, Bailey Building. Owner, Van Court Carwithen, Mariner and Merchants Building. Stone, two and one-half stories, 55x30 feet, tile roof, hot water heat,

electric light, hardwood floors. Architect ready for revised bids.

**High School**, Glassboro, N. J. Architects, Moffett & Stewart, Camden, N. J. Owners, Board of Education, Glassboro, N. J. Brick, limestone trimmings, two stories, 62x90 feet, slag roof, American system heating. Owners have received bids.

**Store Building (alt. and add.)**, 923 Walnut street. Architect, H. L. Reinhold, 1309 Walnut street. Owner, Julius Wellner, 905 Walnut street. Plaster and brick, two stories. Architect has received revised bids.

**Boat House**, Ventnor, N. J. Architects, Sauer & Hahn, 1112 Chestnut street. Owner, W. F. Metzger, 629 Market street. Plaster and hollow tile, two stories, 30x44 feet, tile and slag roof, electric light. Architects taking bids due September 11. The following are figuring: Milton Young, Overbrook, Pa.; H. E. Baton, Tenth and Sansom streets; C. G. Murt-Murland, C. D. Thompson, H. G. Scull, E. E. Smith and M. S. Nichols, all of Atlantic City, N. J.

**Gateway and Fence**, Twelfth and Reed streets. Architect, W. E. Groben, City Hall. Owners, Department of Public Works, Bureau of Water, First Purveyor's District. Brick, granite and iron. Owners taking bids due September 15. The following are figuring: F. E. Wallace, 1210 Sansom street; J. W. Emery, 1524 Sansom street; H. E. Grau Company, 1709 Sansom street; H. H. Wehmeyer, 1004 North Lehigh avenue.

**Residence (alt. and add.)**, Elkins Park, Pa. Architects, Heacock & Hokanson, Bailey Bldg. Owners, H. L. Murphy, Elkins Park, Pa. Frame, two and one-half stories, shingle roof, electric light. Architect taking bids due September 12. The following are figuring: F. B. Davis, 35 South Seventeenth street; E. D. Lever, Abbington, Pa.; Henry Specht, Willow Grove, Pa.; W. John Stevens, Wyncote, Pa.; T. C. Trafford, 1613 Sansom street.

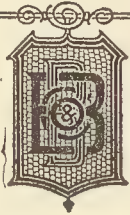
**Valve House (add.)**, Germantown, Pa. Architect's private plans. Owners, United Gas Improvement Company, Broad and Arch sts. Plaster, one story, slate roof. Owner taking bids due September 12. F. B. Davis, 35 South Seventeenth street, is figuring.

**School**, Hampton, N. J. Architect, P. C. Van Nuys, Somerville, N. J. Owners, Board of Education, Haxington, N. J. Brick, two stories and basement, 66x80 feet, slag roof, electric light, hot air heat. Owners taking bids due September 15. A. Bottoms & Sons Com-



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pany, 41 South Fifteenth street, are figuring.

**Rectory** (alt. and add.), Chester, Pa. Architects, Watson & Huckel, 1210 Walnut st. Owners, St. Michael's R. C. Church, Chester, Pa. Stone, two and one-half stories, slate roof, steam heat, electric light. Architects have received bids.

**Garage**, Broad and Huntington streets. Architect's private plans. Owners, Kahn & Greenburg, Thirteenth and Walnut streets. Brick, three stories, 44x177 feet slag roof, electric light steam heat. Harry Gill, Jr., 2200 Germantown avenue, is taking sub-bids.

**Residence**, Oak Lane, Pa. Architect's private plans. Owner, H. E. Martin, care of Philadelphia Saving Fund, Seventh and Walnut streets. Stone and plaster, two and one-stories, 23x42 feet, hardwood floors, electric light, hot water heat, slate roof. Owner has received bids.

**Residence**, Chestnut Hill, Pa. Architects, Karcher & Smith, Crozer Building. Owner, Charles LeBoutillier Homer, North American Building. Stone, three stories, slate roof, electric light, vapor vacuum heat, hardwood floors. Architects taking bids due September 16. H. E. Grau, 1707 Sansom street; W. J. Gruhler, 219 High street; William R. Dougherty, 1608 Sansom street, are figuring.

**Residence and Garage**, Haverford, Pa. Architect, Horace Trumbauer, Land Title Building. Owner, Mrs. Geraldine E. Mitchell, care of architect. Plaster, two and one-half stor-

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ies, 45x95 feet, shingle roof, electric light, hot air heat, hot water heater, hardwood floors, three bath rooms. Garage, two stories, 28x39 feet. Architect taking bids due September 14. J. Sims Wilson, 1025 Brown street; B. Ketcham's Sons, 1129 Brown street; H. L. Brown, 1714 Sansom street; Milton Young, Overbrook; Alfred James, Bala, are figuring.

**Bungalow**, Browns Mills, N. J. Architects, Druckenmiller, Stackhouse & Miller, Land Title Building. Owner's name withheld. Frame, two stories, 22x38 feet, shingle roof, hot air heat, hardwood floors, electric light. Plans in progress.

**Shop**, Midvale, Pa. Architect's private plans. Owners, The Midvale Steel Company, on premises. Brick, two stories, 45x128 feet, slag roof (heat and light reserved). Owners taking bids due September 12. Stacey Reeves & Sons, 1609 Sansom street, are figuring.

**Laboratory**, New Haven, Conn. Architect, Henry C. Morse, 340 Madison avenue, New York City. Owner, Yale University, on premises. Brick and limestone, three stories, 76x116 feet, elevators, slate and slag roof, steam heat, electric light. Architect taking bids due September 14. J. E. & A. L. Pennock, Land Title Building, are figuring.

**Residences (42)**, York road and Rockland streets. Architect, private plans. Owner, Charles A. Mahon, Twelfth and Rockland streets. Brick, two stories, 16x50, slag roof, electric light, hardwood floors, hot water heat. Owner taking sub-bids on all work.

**Market House**, Chester, Pa. Architect, private plans. Owners, Swift Company, Boston, Mass. Brick and concrete, fireproof, eight stories, 98x74 feet. Slag roof, electric light, steam heat, elevators. Owners taking bids, due September 12th. The following are figuring: Irwin & Leighton, 126 North Twelfth street; William Steele & Sons, 1600 Arch street; Charles Gilpin, Harrison Building, and A. R. Raff, 1635 Thompson street.

**Residence**, Ardmore, Pa. Architects, Savery, Scheetz & Savery, Stephen Girard Building. Owner, R. F. Tull, Fidelity Building. Stone and frame, two and one-half stories. Plans in progress. Too early for details.

**Residence**, Chelsea, N. J. Architect, Frank Seeburger, Pennsylvania Building. Owner, J. C. D. Henderson, 4522 Spruce street. Stone, two and one-half stories, slate roof, electric light, steam heat, hardwood floors. Plans in progress.

**Residence**, Northeast, Md. Architect, A. Kelsey, Perry Building. Owner, A. B. Dilks, Eleventh and Chestnut streets. Frame, two and one-half stories. Plans in progress. Too early for details.

**Residence**, Secane, Pa. Architect, C. Adrian Casner, northeast corner Tenth and Sansom streets. Owner, James E. Wheat, care of architect. Plaster, two and one-half stories, 26x35 feet. Shingle roof, electric light, hot water heat. Architect taking bids, due September 11th. The following are figuring: Frank Shee, Clifton Heights; Thomas F. Manley, Clifton Heights; W. Shuster, Lansdowne, Pa.; R. Baskins, 1025 Belmont avenue.

**School**, Asbury Park, N. J. Architect, E. A. Arena, 108 West Fortieth street, New York City. Owners, Board of Education, Asbury Park, N. J. Stone, fireproof, three stories, 150x175 feet. American ventilating heat,

electric light, slag roof. Owners taking bids, due September 17th. The following are figuring: Abel Bottoms Sons & Co., 41 South Fifteenth street.

**Garage**, Beach Haven, N. J. Architect, C. B. Berger, 1418 South Penn Square. Owner, F. Ostendorff, Thirteenth and Market streets. Brick, fireproof, two stories, 90x200 feet. Slag roof, electric light. Plans in progress.

**Hall Building**, Morton, Pa. Architect, G. W. Grover, Morton, Pa. Owners, Knights of Pythias, Morton, Pa. Brick, three stories, 35x64 feet. Slag roof, electric light, hot air heat. Architect taking bids, due September 16th. J. B. Flounders, 1329 Rrst street, is figuring.

**Post Office**, 5226 Market street, Philadelphia. Architects, Sauer & Hahn, 1112 Chestnut street. Owners, United States Government, Washington, D. C. Brick, one story, 25x214 feet. Slag roof, electric light, steam heat. Plans in progress.

**Residence**, Chestnut Hill, Pa. Architects, Karcher & Smith, Crozer Building. Owner, Charles LeBoutillier Homer, North American Building. Stone, three stories, slate roof, electric lighting, vapor vacuum heat, hardwood floors. Architects taking bids, due September 16th. The complete list of bidders is as follows: H. E. Grau, 1707 Sansom street; W. J. Gruhler, 219 High street; William R. Dougherty, 1608 Sansom street; A. L. Fretz, 1222 Chancellor street; J. Sims Wilson, 1025 Brown street; F. L. Hoover & Sons, Builders' Exchange.

**Home Buildings**, Byberry Farms, Pa. Architect, P. H. Johnson, Land Title Building. Owners, Department of Public Health and Charities, care of Dr. J. S. Neff. Brick, stone and steel, fireproof, two stories, slag and slate roof, electric light, steam heat. Owners taking bids, due September 17th at 12 o'clock. The following are figuring: James G. Doak, Crozer Building; Sax & Abbott, Hale Building; F. Roe Searing, Perry Building; Wayne Contracting Company, 1214 Filbert street; P. J. Hurley, 1233 Cherry street.

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## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Show Rooms (alt.)**, Southeast corner Broad and Race streets. Architects, Savery, Scheetz & Savery, Stephen Girard Building. Owners, Thomas B. Jeffery & Co., on premises. Consists of new show windows and interior alterations. Contract awarded to A. Whitehead, 1624 Latimer street.

**Residence**, Salem, N. J. Cost, \$10,000. Architects, Baily & Bassett, 421 Chestnut street. Owners, D. Stewart Craven, Salem, N. J. Brick and plaster, two and one-half stories, 64x29 feet, shingle roof, oak floors (heating reserved). Contract awarded to J. S. Rogers Company, Stanwick, N. J.

**Residence**, Lansdowne, Pa. Architect, L. B. Rothschild, Bulletin Building. Owner, H. C. Berry, care of architect. Stone and frame, two and one-half stories, 36x26 feet, slate roof, hot water heating, hardwood floors. Contract awarded to R. H. Anderson & Co., Lansdowne, Pa.

**Garage**, Camden, N. J. Architects, Stearns & Castor, Stephen Girard Building. Owner, Warren Webster, Camden, N. J. Brick, two stories, 26x40 feet, hot water heat, electric light, asbestos shingle roof. Contract awarded to J. F. Davies, 1208 Chestnut street.

**Restaurant**, 339 Market street. Cost, \$14,000. Architects, Stuckert & Sloan, Crozer Building. Owners, Horn & Hardart Baking Company, 812 Chestnut street. Brick and terra cotta, two stories, 25x100 feet, tile and slag roof, steam heat, electric light. Contract awarded to George Hogg 1634 Sansom street.

**Residence**, Allen lane, Germantown. Architects, Duhring, Okie & Zeighler, Bailey Building. Owner, E. Earl Johnson, care of architect. Stone, two and one-half stories, 32x38 feet, shingle roof, electric light. Contract awarded to Jacob Gehart, Chestnut Hill, Pa.

**Garage**, 1534-42 Wood street. Architects, Sauer & Hahn, 1112 Chestnut street. Owner, Pullman Taxicab Company, 1546 Wood street. Brick, fireproof, four stories, 73x84 feet, elevators, electric light, steam heat, slag roof. Contract awarded to Irwin & Leighton, 126 North Twelfth street.

**Manufacturing Plant**, Twenty-second and Westmoreland streets. Architect's private plans. Owners, Vermont Marble Company, 201 South Thirtieth street. Brick, two and three stories, 60x165 feet and 150x65 feet, slag roof, electric light. Contract awarded to J. G. Doak & Co., Crozer Building.

**Residence (alt. and add.)**, Twentieth and Sansom streets. Cost, \$1,200. Architects, Brockie & Hastings, 1613 Sansom street. Owner, Dr. J. B. Carnett, 318 South Fifteenth street. Brick, three stories, perfect Portable heater. Contract awarded to H. H. Cluck, 170 East Walnut lane.

**Residence (alt. and add.)**, 2035 Walnut st. Cost, \$3,500. Architect, Horace Trumbauer, Land Title Building. Owner, Dr. A. C. Wood, 128 South Seventeenth street. Brick, lime-

stone, four stories, slag roof, hot water heating, electric lighting, hardwood floors. Contract awarded to S. Shoemaker, Land Title Building.

**Residence**, 1449 East Montgomery avenue. Cost, \$4,000. Architect, C. E. Hahn, 410 Walnut street. Owner, Emma H. Weber, 1447 East Montgomery avenue. Brick, two and one-half stories, 62x16 feet, electric light, hot water heat, slag roof. Contract awarded to Robert Beatty & Bro., 2721 E. Fletcher street.

**Boiler House**, 172 to 178 West Girard avenue. Cost, \$43,000. Architect, Otto Wolf, Denckla Building. Owners, Schmidt & Sons Brewing Company, Hancock and Edward streets. Concrete and brick, four stories, 54x112 feet, slag roof. Contract awarded to A. Raymond Raff, 1635 Thompson street.

**School**, Manayunk, Pa. Cost, \$33,000. Architect, H. Zimmerman, Frankford, Pa. Owner, St. Josephat's School, on premises. Brick and limestone, three stories, 60x91 feet, hot water heater, electric light, tin roof, steam heat. Contract awarded to John McShain, 631 North Seventeenth street.

**Telephone Exchange**, Broad and Rockland street. Architect, J. T. Windrim, Twelfth and Chestnut streets. Owners, Bell Telephone Thirteenth and Arch streets. Brick and terra cotta, limestone trimmings, fireproof, three stories, 45x80 feet, steam heat, electric light, slag roof. Contract awarded to Charles McCaul Company, Tenth and Sansom streets.

**School**, Twenty-third and Mifflin streets. Architect, George I. Lovett, 418 Walnut st. Owners, St. Edmond's R. C. Church, care of Rev. John J. Greenail, Seventeenth and Morris streets. Stone limestone trimmings, one story and basement, 73x71 feet, electric light, slag roof, steam heat. Contract awarded to W. J. McShane, 417 South Thirteenth street.

**Residence and Garage (alt. and add.)**, 2228 Tioga street. Cost, \$4,300. Architect, E. T. Boggs, 136 South Fourth street. Owner, E. K. Rhoades, 2549 North Thirty-third street. Brick, limestone trimmings, three stories, and one story, 30x15 feet, tin, slate and slag roof, hot water heating. Contract awarded to F. R. Heavener, Norristown, Pa.

**Packing House (alt. and add.)**, Thirtieth and Race streets. Owners, West Philadelphia Stock Yard Company, Thirtieth and Race sts. Steel, brick, concrete, three stories, slag roof, electric light, elevators. Contract awarded to Irwin & Leighton, 128 North Twelfth street.

**Police Station (alt. and add.)**, Twentieth and Federal streets. Architect, C. B. Zilenziger, City Hall. Owner, City Hall. Interior alterations and additions, tin roof, electric light, steel lockers. Bids were opened as follows: Edward Fay & Sons, 1521 Ranstead street, \$5,745; J. H. Jordan, Thirty-first and Oxford streets, \$8,500.

**Milk Station (alt. and add.)**, 1725-27 Wood

street. Cost, \$4,463. Architect's private plans. Owner, City of Philadelphia, care of Dr. J. S. Neff, City Hall. Brick, two stories, steam heat, electric light. Contract awarded to Harry Gill, Jr., 2200 Germantown avenue.

**Residence**, Wayne, Pa. Architect, D. K. Boyd, Fifteenth and Walnut streets. Owner, Ira V. Hale, care of architect. Stone, two and one-half stories, 56x42 feet. Shingle roof, electric light, (heat reserved). Contract awarded to J. D. Lengel, Wayne, Pa.

**Saloon (alt. and add.)**, 1842 Market street. Architect, D. K. Boyd, Fifteenth and Walnut streets. Owners, E. J. & R. J. Harley, on premises. (Note change in name.) Marble and wood, brick, electric light. Contract awarded to A. Whitehead, 1624 Latimer street.

**Residence (alt. and add.)**, 5033 Thomas avenue, Sherwood, Pa. Architect, W. L. Blithe, 608 Chestnut street. Owner, Victor Frings, Thirty-second and Market streets. Stone and brick, three stories, slate roof, electric light. Contract awarded to J. B. Flounders, 1329 Arch street.

**Sub-Station B (alt. and add.)**, Carpenter street and Gray's Ferry. Architect, J. T. Windrim, Twelfth and Chestnut streets. Owners, Philadelphia Electric Light Company, Tenth and Chestnut streets. Brick, steel, fireproof, one story, 43x50 feet. Contract awarded to Charles Gilpin, Harrison Building.

**Residence**, St. Davids, Pa., \$20,000. Architect, Zantizinger, Borie & Medary, northeast corner Fifteenth and Walnut streets. Owner, A. G. Rosengarten, 2212 DeLancey street. Stone or hollow tile and stucco, two and one-half stories, 75x33 feet; wing, 25x30 feet. Shingle, slate or tile roof, hot water heat, hardwood floors. Contract awarded to William H. Eddleman, 453 Green lane, Rox-

## Permits for New Buildings

Louis Laib (O), 6638 Torresdale avenue. Cost, \$3,600. Two dwellings, brick, two stories, 16x38 feet, 150-155 Knorr street.

Archbishop E. F. Prendegast (O), Logan Square. J. W. McShain (C), 631 North Seventeenth street. Cost, \$33,000. School, two stories, brick, 80x50 feet, Manayunk.

Young Men's Christian Association (O), 1431 Arch street. Abel Bottoms & Sons Company (C), 41 South Fifteenth street. Cost, \$150,000. Building, brick, four stories, 101x190 feet, Fifty-second and Sansom streets.

Robert Hamilton (O), 3312 Hamilton avenue. Cost, \$1,000. Moving Picture Theatre, Lansdowne avenue and Redfield street.

I. K. Davis (O), Hale Building. Cost, \$15,000. Five dwellings, brick, two stories, 16x50 feet, Thirteenth and Wagner streets. Cost, \$4,000. One dwelling.

Southwark Paper Company (O), 2412 South Sixth street. F. Roe Searing (C), Perry Building. Cost, \$14,700. Factory, brick, three stories, 90x59 feet, 2412 South Sixth street.

Emma H. Weber (O), 1447 East Montgomery avenue. R. Beatty & Bro. (C), 2321 East Fletcher street. Cost, \$4,000. One dwelling, brick, three stories, 14x28 feet, 1440 East Montgomery avenue.

Horn & Hardart Baking Company (O), 210 South Tenth street. George Hogg (C), 1634 Sansom street. Cost, \$14,000. Cafe, brick, two stories, 25x100 feet, 339 Market street.

Pennsylvania Salt Manufacturing Company (O), Philadelphia. L. F. Shoemaker (C), Harrison Building. Cost, \$5,000. Furnace Building, concrete, one story, 58x94 feet, Delaware avenue.

Jos. Radyin (O), 2338 South Third street.



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Sam Hankin (C), 813 Ritner street. Cost, \$4,500. One dwelling, brick, three stories, 18x40 feet, 1439 Franklin street.

Dr. George Woodward (O), North American Building. J. A. Gerhart (C), 225 Allen Lane. Cost, \$8,000. Two dwellings, stone, three stories, 25x44 feet, Mount Airy avenue.

Alexander Kerr Bros. & Co. (O), Delaware avenue and Green streets. Ed. Cunningham (C), 50 North Twenty-third street. Cost, \$5,000. Garage, brick, one story, 49x63 feet, 110-12-14 VanPelt street.

J. Diamond (O), 4638 Thompson street. F. Bukelbach Company (C), 4608 Richmond street. Cost, \$2,400. One dwelling, brick, 16x42 feet, two stories, 4464 Thompson street.

John Schmink (O), 612 West Cambria st. Cost, \$1,500. Dwelling, brick, two stories, 14x35 feet, Seventh and Marshall streets.

C. Schmidt & Sons (O), Edward and Hancock streets. A. Raymond Raff (C), 1635 Thompson street. Cost, \$43,000. Boiler house, four stories, 34x80 feet, brick, 172 Girard avenue.

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## Alterations and Additions

E. K. Rhoades (O), 2228 Tioga street. F. R. Heavener (C), Norristown, Pa. Cost, \$4,545. Residence.

General Manufacturing Company (O), Swanson and Snyder avenue. Charles Walter & Sons (C), 664 Preston street. Cost, \$1,800. Boiler House.

United Gas Improvement Company (O), Broad and Arch streets. Cost, \$2,700. Boiler House, Richmond and Tioga streets.

J. M. Kennedy, Jr., (O), Tenth and Chestnut streets. Albro-Glen Elevator Company (C), Seventh and Glenwood avenue. Cost, \$1,000. Lofts, 420 North Marshall street.

J. J. Stinerman (O), 3362 North Front street. H. P. Schneider (C), York road and Erie avenue. Cost, \$1,500. Dwelling, 3437 York road.

S. Darow (O), Sixteenth and York streets. A. H. Stein (C), 2334 North Seventeenth street. Cost, \$1,050. Store, Sixteenth and York streets.

Philadelphia County Fair Association (O), Byberry, Pa. Lewis R. Walton (C), Andalusia, Pa. Cost, \$2,400. Stables, Byberry, Pa.

Hiram Lodge, No. 81, F. A. M. (O), 8425 Germantown avenue. George Louber (C), 18 Harvey street. Cost, \$4,000. Store and dwelling.

E. N. Summerman (O), 1016 Lehigh avenue. H. H. Wehmeyer (C), 1004 Lehigh avenue. Cost, \$650. Store, 1010 Lehigh avenue.

J. Weiss (O), 1410 Point Breeze avenue. Frank & Kaiser (C), 1522 South Sixth street. Cost, \$3,000. Dwelling and store, 1416-18 Breeze avenue.

Dr. Carnett (O), Twentieth and Sansom streets. H. H. Clark (C), 170 East Walnut lane. Cost, \$1,200. Dwelling, Twentieth and Sansom streets.

McIlvaine & Bros. (O), 1500 Hamilton st. William E. Stowe & Son (C), 2069 East Dauphin street. Cost, \$1,000. Storage, 1500 Hamilton street.

Louis Friedman (O), 2854 Richmond street. Sam Berger (C), 416 Queen street. Cost, \$1,300. Store, 2860 Richmond street.

L. W. Miller (O), 225 South Fifth street. T. H. Marshall (C), 413 Locust street. Cost, \$1,000. Manufacturing.

H. Milschowitz (O), 217 Church street. Cost, \$2,000. Store and dwelling, 239 South street.

A. C. Wood, M. D. (O), 2035 Walnut street. S. Shoemaker (C), Land Title Building. Cost, \$3,500. Dwelling, 2035 Walnut street.

G. W. Bickel (O), Master street. H. G. Warner (C), 719 North Forty-second street. Cost, \$1,000. Store and dwelling.

Ed. Fleisher (O), Twenty-third and Green streets. Alexander Chambley (C), 243 South Tenth street. Cost, \$7,000. Settlement Building, 1235 Pine street.

George Niessen (O), Twelfth and Oak Lane avenue. J. J. Morrow (C), Oak Lane. Cost, \$5,200. Dwelling, Twelfth and Oak Lane avenue.

Philadelphia Rapid Transit Company (O), Eighth and Dauphin streets. Cost, \$1,000. Car house, Thirteenth and Jackson streets.

H. E. Wilson (O), 1812 De Lancey street. F. T. Mercer Company (C), 1706 De Lancey street. Cost, \$3,000. 1812 De Lancey street.

## Architectural Notes

Architecture, like every other profession, numbers among its members certain types or poseurs whose habit, to quote a writer in the "Architects' and Builders' Journal," of London, is "to effect one of two things: Either he puts himself forward with no lack of self-confidence as a tremendously important person, or he adopts a languid, expiring attitude toward the art he ostensibly practices." In fact, by injecting an effeminate personality into everything he does, he causes the casual observer to regard the profession as being of much the same character as the man. Fortunately, this anaemic individual who endeavors to hide in the mass of mannerisms a woeful lack of professional knowledge is fast disappearing. Men who appreciate the dignities of their work, who realize that it is by accomplishment alone that they can succeed, are supplanting them and now occupy the highest positions in the profession. To quote further from the article in the "Architects' and Builders' Journal"—"Architecture,

after all, is a matter-of-fact work of design, and it needs to be regarded as such in a sane, straightforward, vigorous way. Enthusiasm, certainly, and imagination to raise it from the dead level of the common-place: but let us have done with all pose in regard to it. There is indeed a good deal of cant associated with art, which is very damaging to artists and their work, and the sooner it is got rid of the better for all concerned."—American Architect.

\* \* \*

Many towns to-day are offering special inducements to attract new industries. They make a practice of offering free factory sites, free water or exemption from taxation for a term of years to prospective manufacturers. It would seem to be of equal public benefit to offer concessions to obtain fireproof building construction. Each new structure would act as a fire stop, and ultimately fire fighting costs would be greatly reduced. The lowering of insurance rates, says a "Universal



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Bulletin," alone is often enough incentive to owners to adopt the safest construction, but the municipalities might readily offer the additional influence, perhaps, of a moderate tax reduction which would bring about a revolution in building construction.

At present we are saddling future generations with an ever-increasing burden for fire protection made necessary by non-fireproof construction. If it were made an advantage to owners to build fireproof, it would in the end result in a decided saving, through the decrease of unproductive fire-fighting costs. In even a greater measure it would afford a needed protection to life and property. The improvement of fire-fighting methods is commendable, but we need fire prevention as well. A premium on fireproof construction would strike at the root of the matter.

Plans for the restoration of Congress Hall have been posted in the Master Builders' Exchange and bids are to be opened this week, the final steps in a long campaign for the preservation of this historic structure in its original integrity. Credit for the initial suggestion belongs to Philadelphia Chapter, A. I. of A., whose Committee on the Restoration of Congress Hall has been indefatigable in digging up authoritative information concerning the original lay-out of the building and in enlisting popular support for the movement to restore it. From an article on this subject in the "Ledger," of August 31, "The Guide" is pleased to quote the appended data:

"The architects, about a decade ago, attracted the attention of the members by the reading of several papers, which revealed the former composition of the building and the changes which have been made in the last half century, during which it was used as a courthouse and for other purposes.

Governor Pennypacker added to the movement by preparing an exhaustive paper, in which he traced the history of Congress Hall from the time it was erected as a county courthouse until it was deserted by the Judges and juries and became a mecca for visitors of historical bent. The matter culminated between him and the chapter of architects, the research work being placed in the hands of the association's Committee on Historic Monuments, afterward divided and known as the Committee on the Restoration of Congress Hall.

Frank Miles Day, one of the best known architects of the country and president of the local chapter, is its chairman.

After several meetings, held several months ago, the committee decided to investigate as many historical documents as possible to ascertain the appearance of the building, together with the locations and fittings of the

various rooms, when the first Senate and House of Representatives was called to order.

Though no trouble was expected, it proved to be a difficult matter in delving through countless pages in the library of the Pennsylvania Historical Society and private collections for descriptions of Congress Hall. History, replete with incidents connected with Independence Hall and other time-honored buildings of the city, was remarkably lacking in reference to Congress Hall.

But success finally rewarded the effort of the architects. From records which will be disclosed later and which will be referred to at length in a report to be issued when the hall is restored and is ready to be opened again to the public, Mr. Day and his associates were enabled to learn of the smallest details. And it is promised that when the doors of Congress Hall are thrown open after the forces of workmen have laid aside their tools, the historic building will be the counterpart of the handiwork of the craftsmen of the days of 1787.

The documents, however, were lacking in description of the size of galleries in the Senate and the House, as well as the location of windows, doorways and stairways, removed or changed after Congress went to Washington and that city was made the nation's capital.

This necessitated careful work by the architects within the building. They ripped off sections of plaster to learn the locations and dimensions and also to reveal the colors of the walls when Washington was escorted into the Senate chamber to begin his second term as President.

Old floorings, together with joists, were taken from different parts of the building. Sections of the flights of steps were dis-jointed, while the walls were punctured. In its present shape, at the end of the preliminary work, Congress Hall is practically a shell.

So it is from the physical evidence that the architects are securing most of the data to fulfil the plans for restoration. It is the purpose of the committee to use as much of the old building as possible. The sections which have been razed are being carefully preserved in storage houses. Part of the floor upon which sat the Speaker of the House is intact and will be used. Sections of the stairway are strong and will be placed again in the original position, but for every plank that is solid there are several that are weak or rotted, and it is expected that a lot of new material will have to be inserted among that reared by the pioneer builders.

New materials which are to be substituted, however, will be shaped so as to conform with the old. The architects have located a collection of the narrow boards, found in

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Colonial buildings, and these planks will compose a section of the floors which are deemed unsafe.

Prints of the furniture in the building have been secured and new chairs, benches and rostrums, will be built after the designs. The original fittings were removed to Washington in 1800 and were destroyed in the Capitol when it was set afire by the British. The removal of the furniture cost the Government \$3,300, and it is probable that this sum, or nearly all of it, will be necessary to replace the unadorned chairs, desks and settees in the Senate and House chambers and the committee rooms.

One of the principal features of the restoration will be the remodeling of fireplaces. The Congress was originally heated by open fireplaces and Franklin stoves. But they were either removed or changed when the building was used as a courthouse, beginning about 1820. There has been no heat in Congress Hall since 1900, when the building was finally discarded by the county and was set aside solely for exhibition purposes.

Along with the restoration will come an indirect system of steam heating, arranged so that the pipes and radiators will not look incongruous amid the old-fashioned, simple stage settings of the hall, as were presented before its sacredness as a historical relic was perverted by workaday use.

In the House, which occupies the second floor front, the principal task will be the



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**TILES IN ARCHITECTURE AND DECORATION****An Ancient Art and its Modern Development.**

The art of the tile maker is as old as civilization itself. Its origin must be ascribed to days exceedingly remote, for it occupied an honored place in the very twilight of the history of the liberal arts and the skill of every age and many nations has been lavished upon its development. The history of every primitive race records the making of household utensils and other objects of clay and the history of the manufacture of tiles is, therefore, but one chapter of the story of a very much larger section of human effort, for tiling is closely related to brick and pottery of all kinds, the making of which is included in the somewhat comprehensive term, the "plastic or fictile arts."

Like the making of brick, the manufacture of tiles probably began in that cradle of the human race, the countries in the valley of the Tigris and Euphrates Rivers, and they were extensively used in the adornment of ancient Nineveh and Babylon, writes Robert H. Van Court in "Arts and Decoration." The soil yielded a variety of clays which were readily pressed or molded into forms which were dried in the sun before the invention of the kiln to bake them into permanent form by intense heat. Brick as well as tiles were often decorated with ornamentation more or less elaborate and they are, therefore, so closely related that it is hardly possible to consider them separately. The climate of Persia, Arabia and other countries of the East is subject to extremes of heat and the methods of building are such as provide cool, shaded interiors as refuges from the glare and heat of the day. Walls of brick are, therefore, particularly desirable, as their necessary thickness is a protection against warmth and the covering of the brick walls with tiles which offer a cool and attractive surface is a logical result of conditions.

Then, again, a favorite form of decoration within an Eastern home is the fountain in its various forms, such as pools, basins, wall fountains and the forcing of water through miniature canals in the floors of courtyards and corridors, a device which is supposed to cool the air. Tiling is, of course, peculiarly adapted to these effects, involving the use of water, as its surface is not affected by moisture or the constant wetting and drying to which it is subjected.

The beginning of tile making was, therefore, largely in the hands of the races which became most readily the followers of Mohammed, and its highest development has been in lands dominated by the power of the crescent or in more or less direct touch with the Orient. The success of the industry in Spain was due to the Saracenic invasion and the centuries of Moorish rule of which it is one of the chief relics. After the ending of the Moorish period the making of tiles in

Spain underwent considerable change and under the patronage of the Church a method of manufacture which was quite different from that of the Moors became popular. But so important was the Moorish work that it has always dominated the art of Spanish tile makers and much of their best work remains in the Alhambra and in various old structures at Cordova and Toledo, almost as beautiful as when first built centuries ago.

In the older countries of the East the exteriors of buildings were sometimes built of tiles molded into special shapes and decorated in colors, somewhat resembling our use of modern terra cotta, but for the most part the exteriors of the Orient were exceedingly plain, the adornment being confined chiefly to the beauty of correct and carefully studied proportions. The highly ornate exteriors of ancient as well as of more recent days are chiefly those of tombs which patriotism or piety has erected as the eternal resting places of the dead and the most beautiful of the tiles ordinarily seen are therefore in the interiors of mosques and palaces, where their cool loggias, alcoves and courtyards and dim corridors are adorned with growing plants and splashing fountains.

The use of the tile as decoration in England has always been very largely in ecclesiastical buildings and the development of the art during several centuries was undertaken chiefly in the service of religion. The period between the Norman invasion and the beginning of the Reformation saw the height of the power of the Church of Rome, and art in every form was lavished upon her English sanctuaries. Prelates returning from the Papal court naturally tried to reproduce the splendor of the churches of Italy and the magnificence of their worship, and tiling seemed to offer for building floors, reredoses, altar screens and even for tombs something of the beauty of the Roman mosaic, easily had in Italy, but difficult to reproduce in England. The demand for tiles in English cathedrals and abbeys became so great that experts in their design and manufacture were induced to settle in England. In many of the great centers of religious life tile factories were established in charge of monks or lay brothers who had been trained by workmen from the continent. These workshops within the shadow of monastery walls probably languished with the dawn of the Reformation, for with the passing of Hampton Court from Cardinal Wolsey into the hands of Henry VIII, tiles were imported from Holland and Flanders for its adornment.

The development of the industry in the other countries of Europe was influenced by the individuality of each nation. The tiling of Holland, which may have come as a result of Spanish trade and rule, is particularly in-

erection of a gallery with a seating capacity of 300. The gallery was razed nearly a half century ago. The gallery in the Senate chamber, now merely a ledge, will be extended. Besides the chambers, there is also upon the second floor four smaller rooms, used, respectively, for committees, receptions and for the presiding officers of the two bodies.

The main stairway is to be placed about twenty feet nearer Chestnut street and a number of smaller rooms on the first floor, which have been done away with, will be restored. The walls, together with the interior finishings, will be kalsomined a buff color, the original hue, as portrayed by the scraping away of several layers of plaster.

As the work progresses, the roof will be strengthened and made fireproof, while the cupola will be sheathed with copper. The windows are to be studded with the narrow, leaded strips of glass, and the shutters are to be of the Colonial period.

Ever try a "Want" ad. in The Guide?  
Gets the goods every time.



teresting and reflects the quaintness which is characteristic of every form of Dutch art. Tile making in Italy has always been affected by the direct influence of the older countries of the East and a study of its plastic arts will almost always show some trace of Oriental influence.

The general revival of interest in the liber-arts and in every form of craftsmanship which occurred during the latter part of the nineteenth century included a renaissance of the making of tiles. It began with a careful study, both in Europe and America, of the principles which underlie the designing and making of tiles, as well as their application to new conditions. The study has been rewarded with success and the making of tiles is now carried on with much of the glory which was seen in past centuries for the greater familiarity with the world and a wider knowledge of materials and processes than was possible in former days has resulted in the production of tiles of amazing variety and beauty, which, by reason of their durability and moderate cost, are really the most economical materials for the paving of floors and the facing of walls in the many places where their use is appropriate. The taste and skill of American tile makers has resulted in a great quantity of tiling which is fully as beautiful as anything produced in earlier centuries. Reproductions of antique tiles from Persia, Arabia or from European countries, such as Spain and Holland, are easily found and of even greater interest are the tiles which are modeled to show places connected with our own nation's history. As has already been said, the art of the tile maker in its broadest sense includes more than the making of small pieces of decorated earthenware, and embraces the making of terra cotta, majolica and the long list of materials which are used as building fabrics and exterior as well as interior decorations. The practical application of these materials has now reached a point undreamed of in earlier days and their use in secular as well as ecclesiastical structures, under the guidance of well-trained architects, gives unmistakable promise of still more brilliant results to be attained at a later day.

The use of tiles as exterior decorations is exemplified in countless instances of buildings lately constructed, but nowhere, perhaps, more aptly than in the facade of a small commercial building in East Forty-fourth street, New York City, where the highly ornate "Venetian Gothic" exterior is achieved largely by a judicious use of tiling, either embedded in cement or used as part of the actual walls.

This treatment is repeated in the soffits of the arched or domed ceiling of the hallway, as well as upon the floor. It is an example of

very simple material skillfully used to produce unusual beauty and splendor of effect. The body of the building is of brick and terra cotta, of various shades of tan. The tiles, which confer so distinguished an appearance in decoration, are of dull reds, old blues, grays and black.

Antique tiles are used to some extent in adorning the interiors of American homes, but the available supply of old tiles is necessarily quite small and in only a few cases have a sufficient number been collected to form more than a mere fragment of decoration. There are a very few cases where halls or vestibules have been lined with these old fragments of Arabian or Persian art.

In the house formerly occupied as a city residence by the late Stanford White, in New York, which was a treasure house of beautiful objects from all over the world, was a small hallway, which was a vestibule into a picture gallery. Light was received from a large window, upon which were hung panels of painted glass of antique beauty; an old wall-fountain filled the greater part of one side and a stairway was fitted with fragments of old marble for a balustrade. The walls were lined with Oriental tiles in white, blue and yellow, there being several different patterns and sizes, but the coloring of all the tiles was almost the same.

The effect of all this soft, rich coloring in the glow of medieval glass and with the air freshened by the water flowing from the fountain, which was surrounded by flowering plants, made an interior setting ever to be remembered.

Some have said that the progress of art is a record of new discoveries and that with the coming of the time when discoveries cease the art passes the culminating point and begins to decline. Judged by one interpretation of this standard, it may be said that the golden age of tile making was passed some centuries ago, when the painstaking art of the subtle East was poured out upon its designing, and when the artisans and craftsmen of Europe, as well as Asia, applied their knowledge of pottery and glazes to its manufacture, but with a change of conditions and the coming of new methods of building and new uses for building materials there has come a whole array of possible achievements in the way of applying the discoveries made ages ago in other lands to the demands and requirements of the twentieth century and in America. These possibilities are being developed by the makers of American tiles whose zeal and ingenuity have provided a vast and varied assortment of tiles for the use of architects and decorators in building and furnishing the modern home, and the beauty which may be secured by their

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judicious use is often out of all proportion to the small cost at which they are to be obtained.

If you fail to place "The Guide," Mr. Ad-Man, on your fall and spring list you are making a mistake you will live to regret. Few papers in the architectural field surpass "The Guide" in the matter of getting results for its advertisers.

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### BOOST.

Fall in while the band's a playin'  
Ketch the step and march along—  
'Stead o' pessimistic brayin',  
Jine the hallelujah song!  
Drop yer hammer—do some rootin'—  
Grab a horn, you cuss, and split  
Every echo with yer tootin'—  
Jump the roost  
An' boost  
A bit.

—Exchange.

The finest automobile will not run when the tank is empty, and the finest space can not pull unless it is filled with copy that grips interest.—"Printer's Ink."

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#### WHY BUILDINGS COST MORE.

Replying to yours of recent date as to "why" the high cost of building in these days, when the lumbermen are being charged with all kinds of high crimes, I want to give you some figures showing just where the "high cost" comes in. This is a concrete case. The house was erected in this city (Lexington, Ma.) during 1911, and is an eight-room modern house. The contract price was \$3,700. If this house had been erected in this town twenty-six years ago, when I first went into business, or if it had been erected in the country last year on a good Lafayette County farm, which has been doubled and many times trebled in value in the last ten years, the following items of cost would not have been added to the original cost for the reason that most of the

items were not then a part of a home or would not now be a part of an average country house:

To original contract .....	\$3,700.00
By difference in excavating all of basement instead of cellar only...	25.00
By extra on brick foundation by reason of excavation entire basement.	75.00
By heating plant instead of stoves bought as furniture .....	250.00
By sewer connection (none used in country or twenty-six years ago in town .....	50.00
By gas pipe and connections (none used in country or twenty-six years ago in town) .....	25.00
By electric fixtures and wiring instead of coal oil lamps .....	175.00
By bathroom outfit, not in use generally then or on farm now .....	250.00
By six closets built in house instead of wardrobe bought at store.....	150.00
By kitchen cabinet and china cupboard bought at store .....	80.00
By subfloors in house not formerly used .....	70.00

#### DO IT NOW.

The following from the "American Lumberman" will be appreciated by all those who ship goods or who use goods shipped by freight. Some may be able to follow a suggestion:

"The man who buys in carload lots from widely separated spots (expecting clear and getting knots), has troubles ever present; and everyone is mighty glad a better summer he has had—that building has been quite a fad and living rather pleasant.

"The farmer's crops are good and big,

there's enough to feed the pig, and Si sells off the one-horse rig and for an auto blows him. He greets the dealer with a smile and even thinks (while profits pile) if things keep this way for awhile he'll pay what he owes him.

"But there's a rift in every lute, the strongest mule an ugly brute, the tightest fit the Sunday suit, and thorns the rose encumber; and here's the worst of bumper crops; that when they start to ship the hops and corn and wheat then traffic stops for folks who handle lumber.

"So, Mr. Dealer, pardon, please, for spilling gloom in days like these, but take advice at once and seize the chance that now is slipping and, if you think you likely will require some lumber from the mill, get busy now and alleys fill while there are cars for shipping."

#### THE WHY OF OPAQUE WINDOWS.

The building contractor let loose some of his most emphatic phrases when he found that the man who had been hired to daub whitening all over the windows had not half done the job, recounts the "New York Times."

"That man doesn't seem to understand what the windows in a half-finished building are whitened for," he said. "He don't plaster them over with chalk to prevent the public from seeing the unfinished condition of the interior, but to keep the workmen from battering out the glass. Transparent glass looks just about as transparent air to the man who is moving a wooden or iron in a hurry, and he is likely to ram the end of it through an expensive window, but when the glass is coated with white it becomes visible and the workmen hand their material in through the door."

#### THE BEST LIGHT AT LEAST COST.

Every manager knows the dollars and cents value of good office lighting. The problem is simply, how can we get the best light at the least cost? The answer may be given in these words: Utilize all of the light you have, not wasting any of it. Prismatic globes and reflectors will not make light, but they will save the light you are now wasting. Take an ordinary incandescent lamp, for example: This lamp does not give light equally in all directions, but, to the contrary, throws its greatest candle power straight sideways, and diminishes in all other directions. The sixteen candle power lamp gives sixteen candle power sideways, but only eight candle power straight downward, and between eight and sixteen candle power at the various angles, so if in your office you hang a bare lamp straight pendant about two-thirds of the light goes up toward the ceiling and to the side walls, and only a small percentage of it goes downward to illuminate your desks. In other words, you are wasting from one-half to two-thirds of the light you are paying for when you do not combine the proper lamp with the proper reflector or shade. In order to get the highest efficiency in lighting it is necessary to direct and distribute the light exactly where it is wanted and in the proper amounts. —J. J. Forbich, at the Building Managers' Convention.



## New Ideas, Materials and Devices

Innovations in Material and Equipment That Merit the Interest of Architect and Building Owner—A Running Resume of Novelties More or Less Recent.

### Carborundum:

Twenty years or more ago when Edward Goodrich Acheson was fussing around in his little shop at Monongahela, Pa., in an effort to accomplish in a few short hours what it had taken nature 100 centuries to complete, he actually did turn out a little bunch of crystals that had on the mall the ear-marks of real diamonds.

The first little bunch of crystals that were given the name of Carborundum by their discoverer were produced in a little electrical furnace made of three or four bricks. The old-timers in the field of emery, of course, stoutly asserted that no manufactured abrasive could ever take the place of or equal in efficiency the natural mineral product. A touch of humor has been added to the later developments of the romance of Carborundum by the unanimity with which these same competitive interests have fallen in line one after another in recognition of the ability of mankind to improve on the product of nature.

Carborundum products have grown in importance until they are known and used in every country in the world. Hundreds of operations in steel and iron, marble, wood and glass, that were formerly performed by steel tools, are now accomplished in a fraction of the time and infinitely better by Carborundum. Something like 80,000 or 90,000 different sizes, grades and grits of wheels are manufactured and almost an equal variety of sharpening stones. Carborundum will grind anything from a car wheel to a needle, and will sharpen anything from a razor to an axe. The annual production of the Carborundum crystals at present exceeds 10,000,000 pounds. Put it on the basis of that original sale at 40 cents a karat and figure out how much it is really worth. As a matter of fact, however, you can buy 5 or 6 pounds at present for the original price of a karat.

The Carborundum Company is probably one of the most forceful illustrations that can be found in America of the fact that business can be conducted on the highest possible ethical standard and still be eminently successful, and Frank W. Haskell is the man who deserves the credit for the demonstration.

### Union Metal Columns:

We are in receipt from the Union Metal Manufacturing Company, of Canton, Ohio, of a copy of their latest catalog detailing Union Metal Columns for porches, pergolas and interior use.

In point of design Union metal columns follow the classic order of architecture closely. In certain minor particulars slight de-

partures are necessary in order to secure such features as strength, clean cut appearances, etc., etc.

The steel which is used in making all shafts of Union metal columns is the best high-grade open hearth product. It is specially rolled and is tight coated with special spelter which adheres perfectly to the metal under all conditions, thus protecting the metal absolutely from the action of the elements. The shafts are painted with a coat of high-grade paint especially prepared to adhere to galvanized steel, thus insuring the finishing coats of paint against cracking or peeling off. The cast iron parts of the columns are also given a coat of best metallastic paint.

The seams of all Union metal column shafts are securely locked and are always turned on the inside of the shaft.

### Ventilating Sash Lock:

Among window protective devices the "Ventilator" sash lock has established that it will render burglar-proof, when closed or open to any extent, either or both sashes. It is portable, inexpensive and unbreakable. It can be used detached or attached to sash. It is simply installed.

This "Ventilator" sash lock is being manufactured by the Security Locks Company, 25 West Forty-second street, New York City, and by writing to them circulars detailing the lock completely can be obtained.

### Air System Cleaning:

There are at the present time both portable and stationary cleaning systems being manufactured. One of the most successful of the latter type is the Tuec air cleaning system, which is manufactured under exclusive patents owned by the United Electric Company, of Canton, Ohio.

This Tuec stationary air cleaning system can be easily installed and successfully operated in houses, schools, churches, theatres, hotels, apartment houses, public buildings, etc., etc. The machine itself is installed in the cellar. Piping between the studding or through a closet or obscure hall corner connects it with each floor. To clean any part of the house building, etc., hose is attached to the opening of pipe on that particular floor, cleaning tool adjusted and power turned on.

The actual working parts of the Tuec system include a half horse-power motor operating a patent centrifugal fan. When power is applied, fan starts and is quickly revolving at tremendous speed. This creates a continuous and rapid movement of a large volume of air through the pipe at the rate of 170 cubic

feet or 300,000 cubic inches per minute. Into the cleaning tool is drawn all the dirt and dust-laden, germ-infected air, then down the pipe and into the machine. The dirt drops to the bottom of the machine. The air passes through the exhaust into the chimney at outside of building.

The United Electric Company, 30 Hurford street, Canton, Ohio, have issued an attractive and interestingly instructive little booklet upon their Tuec system and its operation, which any reader can obtain by writing them at their Canton address.

### Metal Shingles:

"Although we are wont to regard architectural forms as stable and their style as fixed, the fact is, building styles change as rapidly and as unaccountably as those in women's dress."

So says the August issue of the "Cortright Advocate," the attractive monthly publication of the Cortright Metal Roofing Company, of Philadelphia, Pa., and Chicago, Ill. And the "Advocate" proceeds to prove the correctness of its assertion through the illustration of several houses built within the past decade.

The statement and comparisons are brought out in the demonstrating of the adaptability and consistency in the use of Cortright Metal Shingles on all forms of building.

The Cortright metal shingles are made of tinplate, painted either red or green; also of hand-dipped galvanized tinplate, also stamped from light coated galvanized sheets.

Particulars about these shingles, catalogs, copies of the house organ, etc., can be had by addressing the Cortright Metal Roofing Company at either their Philadelphia, Pa., or Chicago, Ill., offices.

The darkest hour in any man's life is when he sits down to plan how to get money without earning it.—Horace Greely.

### THERE'S ONLY ONE WAY.

A man may guy,  
And a man may lie,  
And a man may puff and blow;  
But he can't get trade by sitting in the shade,  
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Are you a regular subscriber to "The Guide"?

You can't hire loyalty; you have got to deserve it.—Ex.

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If your competitor is cutting in on you, and he is advertising, follow suit. If he isn't advertising get the lead on him by letting the trade know you are still a factor. In either case—advertise.



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PHILADELPHIA, PA., SEPT. 11, 1912.

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## Editorial Comment

Now that the fall is here, with every prospect of an exciting political campaign and of improved business conditions following the settlement of the issues therein involved, the time is drawing nigh for the advertising man to plan his campaign for the year 1913.

When you come to this important duty, Mr. Advertising Man, let us suggest to you the wisdom of giving "The Builders' Guide," of Philadelphia, a prominent place upon your list. Without fuss or feathers or resource to any of the brass-band tactics common to trade journal exploitation, "The Guide" has been steadily and consistently "making good."

It carries to-day nearly 50 per cent. more advertising than it did under its former management, and is gaining in interest, influence and circulation with every issue.

Advertisers who have tried "The Guide" boost it most loudly. As a medium to reach the architectural profession, the building trades, the engineering fraternity and the building owner, there is no magazine covering the Middle and Southern States equal to "The Builders' Guide." It makes good.

Add "The Guide" to your fall list, Mr. Ad. Man, and you'll sign for every week in 1913.

Try a trial space!

Showing a gain of 13 per cent. compared with the corresponding period of last year, but showing a decrease of 4 per cent. from July, reports from 78 cities for building work give the total expenditure during August, 1912, as \$44,148,789, according to the figures compiled by Bradstreet's. August of last year gave an increase of 9.4 per cent. compared with August, 1910, which year in turn showed a gain of 10 per cent. over August, 1909. These successive gains for the three years speak well for this individual month's record in new construction.

The gains and losses shown in August over the like month a year ago are quite evenly divided. Thus, forty-two cities out of seventy-eight show increases, while thirty-six cities report decreases from last year.

The record of building expenditures at the leading American cities reporting monthly, quarterly and yearly from January, 1909, down to and including August, 1912, shows the and flow in this industry during the past forty-four months to be as follows:

	Cities.	1910	1909.
January .....	113	\$45,856,241	\$50,013,109
February .....	113	47,256,045	57,581,871
March .....	114	90,485,309	86,231,000
First quarter..		\$183,597,595	\$193,825,989
April .....	112	\$94,369,714	\$87,483,935
May .....	104	78,906,632	95,100,814

June .....	110	76,961,721	76,336,759
Second quarter		\$250,238,067	\$258,921,508
Six months...		\$433,835,662	\$449,996,194
July .....	104	\$63,039,731	\$83,417,984
August .....	113	80,303,566	72,994,728
September .....	112	61,475,327	65,238,040
Third quarter.		\$204,818,624	\$221,650,752
Nine months..		\$638,654,286	\$671,646,946
October .....	105	\$63,495,948	\$67,076,951
November .....	113	61,786,211	65,461,536
December .....	110	59,220,394	60,345,099
Fourth quarter		\$184,502,553	\$192,883,586
Twelve months		\$823,156,839	\$864,530,532
		1911.	1910.
January .....	110	\$48,921,641	\$48,154,791
February .....	124	43,021,901	48,800,413
March .....	115	74,345,281	89,425,797
First quarter..		\$166,288,823	\$186,381,001
April .....	117	\$80,905,125	\$96,083,297
May .....	121	76,969,182	81,861,893
June .....	118	82,844 884	79,534,788
Second quarter		\$240,719,191	\$257,479,978
Six months...		\$407,008,014	\$443,860,979
July .....	121	\$75,490,981	\$66,257,422
August .....	130	89,968,242	82,207,026
September .....	132	68,990,726	61,743,990
Third quarter.		\$234,449,949	\$210,208,438
Nine months..		\$641,457,963	\$654,069,417
October .....	133	\$65,285,514	\$65,917,103
November .....	134	64,839,662	63,184,537
December .....	133	52,338,679	61,285,096
Fourth quarter		\$182,463,855	\$190,386,736
Twelve months		\$823,921,818	\$844,456,153
		1912.	1911.
January .....	132	\$41,411,871	\$48,555,636
February .....	134	54,607,238	42,842,495
March .....	141	78,588,240	80,470,184
First quarter..		\$174,607,349	\$171,868,315
April .....	140	\$99,561,328	\$83,339,805
May .....	141	93,105,947	79,960,920
June .....	140	94,707,643	87,946,080
Second quarter		\$287,374,918	\$251,246,805



Six months....	\$461,982,267	\$423,115,120
July .....	141 \$85,720,991	\$78,407,023
August .....	78 44,148,789	39,041,441

For the eight months of the present calendar year, building expenditures show a gain of 9.2 per cent. over 1911, whereas a year ago a slight decrease was shown when compared with 1910.

Architect Horace Trumbauer has completed plans for the Harry Elkins Widener Memorial Library to be erected at Harvard by Mrs. George D. Widener, of Philadelphia. The new library, which is to be a handsome, fire-proof structure of brick and limestone, will be erected on the present site of Gore Hall and will, it is estimated, have a capacity of 2,500,000 volumes. As its name indicates, the new building will be a memorial to Harry Elkins Widener, who, with his father, George D. Widener, was lost at sea when the White Star steamship Titanic foundered last April. The structure is to occupy a plot of ground 206x275 feet and is to be architecturally impressive and attractive.

### PROPER DIMENSION FOR SUB-URBAN PLOTS.

It is a much debated question how large a plot a man should purchase when he decides to remove to the country, builds his own house, and commute. Naturally, it greatly depends on the size and style of house that a man wants to put up and on whether he intends to take care of the garden and lawn himself. Fully as many persons buy too little land as the number who buy too much. There is a well-grounded aversion on the part of purchasers to continue those conditions they are leaving the city in order to escape from. They want elbow room, room for the children to play, and space for a garden. This they cannot possibly obtain on any plot less than 50x125 feet, and even more ground is preferable when it is remembered that the average frontage of an ordinary eight or nine-room house is from 24 to 34 feet.

On the otherhand, it is sometimes uncomfortable to have so much land that it becomes laborious or expensive to keep in proper order. The person who is obsessed with the idea that he cannot do with less than an acre of ground has frequently very little idea of what a plot of ground of that size really means. It is better to have a little less land, that one can comfortably care for. For the average person a plot of ground 75 feet wide by 150 feet deep will be found just about right. This is about a quarter of an acre.—“Nutley Realty News.”

### A PLAY IN THREE ACTS.

- Act I. Advertising.
- Act II. More advertising.
- Act III. Success.

## Shop “Kinks”

If lumber comes onto a job not up to the grade your order calls for, the time to cull it out and lay it aside is before you do any work on it. Mistakes on this point lead to loss of standing when there is trouble that goes into court. There is a case in mind that illustrates. The builder had a lot of joists on the job that were off grade. But he cut them to length and shape, and had put some of them in the building when the architect came along, made him take the defective ones out, and condemned a lot that were cut but had not yet been put in. The builder sent for the lumber yard man, and then the yard man sent for the representative of the mill that had shipped the lumber. The mill man admitted that part of the stock was off grade, and they had a right to cull it out, but he made the point that it should have been culled out sooner, and that the cutting of it to shape constituted in the eyes of the law acceptance of it. He was right, technically, too, and it is well to keep this in mind, and to go through your lumber and pass judgment on it before cutting, even squaring to length.—American Carpenter and Builder.

Mitred casing on the inside of doors and windows makes a mighty neat job, especially when it is a hardwood trim, and it looks like an easier proposition than the regulation heads, stools and plinth blocks. But it is not, for mitering calls for nice joinery, and when the casing has to be fitted against plastering that is not straight—which is no unusual thing—it is almost impossible, unless one first does considerable work at straightening up the plaster face all around the opening.

Some of the neatest work of this kind the writer has seen lately was done in the shop, the casing being put on all the interior jambs before they were put up. This is done by making the jamb in two widths, joined together in the center with a tongue and groove, so that the jamb with the casing on it can be put in place after the plastering is all dry. This kind of a jamb, you should understand, is somewhat different from the regulation plowed jamb. It has the stop planted on afterward, and this covers the joint between the two halves so that if they do not come together snug there is really no harm done. This is the easiest and seemingly the best way to do a fine job with mitered casing. That seen by the writer was veneered mahogany jambs, solid mahogany casing, and was being put into one of the fine office buildings of the year.—J. Crow Taylor.

Condensation of moisture on the surface is what takes the polish off of tools and makes iron rust. Preventing it is simply a matter of keeping the surface coated with some varnish, resinous or oily substance. If tools are carefully cleaned every night and then gone over with an oily rag, they should keep in

very good shape; that is, if they are in use every day so that this oily coating has a frequent renewing. A heavier coating for tools that are to be put away for some time, and one that can be cleaned off readily, can be made by melting together 7 parts of tallow and 1 of resin, stirring the same till it cooks. Apply in a half liquid state, thinning to the right consistency with either benzine, gasoline or coal oil.

When you have extra doors or sash left over from a job, or on hand from any cause, their value for use on some other job is going to depend a whole lot on how well you take care of them. If they get coated with dirt or soiled in handling, it is very difficult to make them look nice enough again for natural finish. Indeed, even the sun shining on them will take the life and brightness out of the wood. Have some sort of a clean, dark closet or bin about your shop to keep these in. That's the way the sash and door people keep them bright—in dark warehouses and dust proof bins. Also, they take pains in handling them, so as not to soil them, and when they are shipping single doors out, the careful ones cover them with paper. That is a pretty good thing for you to do, cover the surface over with paper, either pasting or gluing it to the edges, or tack a lath on the edge, drawing the paper under it. Heavy, brown paper is best, but even old newspapers will beat no covering at all. And don't let these doors stand around loose in the shop to get soiled and messed up; make it a practice to put them away right when they are brought in. It is the only way to preserve their full value and get all you should out of them.

For “proposals” there is no better medium in print than “The Builders' Guide.” Why? Because among our regular readers are the biggest concerns in every avenue of structural activity.

Winning success in business is not a game of blind man's buff. You cannot catch her blindfolded.

An advertisement should stick out like a sore thumb without being so sensitive.—“Novelty News.”

The most valuable asset in any business undertaken is brains. A necessary asset is money. Opportunities come to us all, but are not always grasped when they knock at our door. The big opportunities come and remain with the man who can combine an investment of money, however small, with a large investment of brains.—Exchange.

The man that doesn't advertise nowadays is a barnacle. And he ends up like a barnacle by being scraped off.



## Is that New Building Operation of Yours Nearing Completion?

Are you ready to show possible purchasers what you have prepared for them in the way of modern conveniences? You are not ready if the houses have not been wired for Electricity—you cannot make quick sales now-a-days unless dwellings are electrically equipped.



### RECENT TRADE LITERATURE.

Art Brass Company, New York, has issued Catalog C, illustrating and describing fine bath room ware.

\* \* \*

Clow Automatic Water Closets are illustrated and described in a handsome catalog issued by James B. Clow & Sons, Chicago.

\* \* \*

L. H. Prentiss Company, Chicago, has issued a booklet entitled "Looking Backward." The book contains a list of buildings with photographs in which this company has installed heating and ventilating plants.

\* \* \*

"A Model Erection Shop" is the title of a very artistic 16-page booklet just issued by Lockwood, Greene & Co., architects and engineers for industrial plants, 93 Federal street, Boston. It describes with illustrations the construction of a one-story, reinforced concrete, sawtooth roofed, machine shop which is usually well lighted, and at the same time has its floor area covered by an abundance of cranes, running on concrete girders. The booklet will be sent on request to Lockwood, Greene & Co., 93 Federal street, Boston.

\* \* \*

"Smokeless Chimneys" is the title of a 12-page pamphlet issued by the Furnace Gas Consumer Company, Matteawan, N. Y., describing the furnace gas consumer, a device consisting of a bank of fireclay tubes installed in the space back of the bridge wall, underneath the boiler. It is claimed that these tubes become white hot or incandescent and that they serve to reheat the distilled gases and air so that when the two mingle in the space back of the tubes complete combustion takes place before the gases again

strike the cold surface of the boiler, and there is perfect combustion without formation of smoke or soot. The device, therefore, really consists of a means of heat storage in the furnace, which stores heat when the fire is bright, and utilizes the same heat for the combustion of the gases distilled when fresh fuel is spread over the incandescent fuel bed. Other advantages claimed for this device are that it makes it possible to secure perfect combustion with a smaller excess of air and that the heat absorbing capacity of the boiler is increased, due to the increased absorption by radiation, the white-hot tubes radiating into the boiler almost as rapidly as does the incandescent fuel bed, therefore leaving less heat

absorption by convection to be performed by the flues.

\* \* \*

Ashton Valve Company, Boston, has issued a folder illustrating and describing the Ashton Sanitary Bubbling Drinking Fountain.

\* \* \*

Thomas Maddock's Sons Company, Trenton, N. J., has issued a folder illustrating and describing the Ariston Siphon Jet Closet.

\* \* \*

"Roofing Rules" is the title of a handbook of sheet metals in building construction for architects, owners, engineers and builders, issued by Merchant & Evans Company, Philadelphia.

## Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

\*\*It is reported that the Department of Highways, New York City, which has the street paving in charge, has decided, by reason of the higher cost of long leaf yellow pine paving blocks, to experiment with the substitution of short leaf blocks. If successful, this plan will considerably lower the initial cost of wood paving. The short leaf blocks will be treated and laid in exactly the same manner as the long leaf blocks, and will be experimented with upon side streets where the traffic is not exceptionally heavy, and yet where there is sufficient wear and tear to make a thorough test.

The Department of Highways has still another street paving experiment under way which may pan out favorably, and then again may not. It is to use a special paving called "durax," which is said to give favorable results in several European cities where it is in use. The surface blocks, which in this case are of granite, are made very small and carefully fitted by hand, and are so arranged that none of the joints are at right angles to the moving lines of traffic. This produces an almost noiseless surface and gives a good foothold for horses. The blocks are cut in cubes of about three inches in dimensions each way, and when the paving is laid it closely resembles a great piece of mosaic.

\*\*For the better part of a generation new ideas of importance in household economy have been evolved by apartment house builders rather than by builders of private houses. At present, however, the tendency appears to be in the opposite direction, creative ideas of the kind in question being exemplified mainly in suburban construction. The latest novelty that has come to our attention is to be introduced at the Estates of Great Neck, the developers of which are to build a servants' club house for the use of employees of residents there. Newspapers and magazines in

various languages will be on file, and evening entertainments will be provided in the form of dances, lectures, recitations, and so on. Finally, instruction in domestic science is to be offered, a feature which should add to the value of the club.

\*\*The Sage Foundation Homes Company, which is developing Forest Hills Gardens, L. I., has let contracts for new groups of houses bringing the total number, completed and under way, up to 126. A pretty good record for a development which started selling homes only about a year ago.

\*\*The purchase this week of a tract of 225 acres at Woodbury, by a client of Worthington Whitehouse for development into a country estate, reflects a notable current real estate tendency on Long Island. The country estate movement there has been pushed eastward rapidly of late by the multiplying suburban developments nearer the city line. The purchase referred to is on the Jericho turnpike, where several other well-known New Yorkers have bought this year, beyond the Westbury and Wheatly Hills sections.

\*\*The tile stoves in Sweden for fuel consumption are usually ornamental. Some are cylindrical and some are square or triangular. These are not portable, but are built into the houses and form a part of the permanent fixtures that go with every rented apartment. When it is considered that a nine-room apartment will often contain nine of these stoves, costing \$26.80 to \$53.60 each and over, it will be readily seen how much their utilization for electric heating would mean, particularly as the scheme proposed would not leave the householder to rely on electricity alone. The heat from the radiation of the heated porcelain is much pleasanter than steam or hot water heat, and is greatly preferred by the Swedish public.

\*\*The International Association for Test-



ing Materials convened in New York September 3-7. The object of this organization is to establish standard tests and rules for the materials of construction. Its membership includes representatives of engineering societies, construction and manufacturing companies in many different countries.

\*\*\*"It is unfortunate that there is not more reliable data on the depreciation of manufacturing buildings. There is little information as to the preventing of dry rot, almost none on the effects of humidifiers on the life of timber, little of the loss of value through the design of buildings becoming obsolete—this last is serious one against the more expensive and hard to remove concrete—neither is there much data on the value of light in manufacturing processes."—Paper by Mr. Morton C. Tuttle, of the Aberthaw Construction Company.

\*\*The Quaker City lumber trade has for years enjoyed the reputation of being right up in the front ranks in lumber trade matters, both social and industrial, and all branches of the trade of that city are to-day as well organized and closely related socially as in any market in the country. The latest effort on the social side is the organization of a real live golf association of Philadelphia lumbermen, which started off under the most favorable auspices in a largely patronized tournament at the Whitmarsh Country Club, Chestnut Hill, Pa., on August 13. Thirty-two contestants participated. It is planned to hold another meeting early in September, while a live organization has been created which will hold a meeting at least once a month and possibly more often. This new organization reflects additional credit upon the social life of the Philadelphia lumbermen. Not every market can boast of so prompt a success to such an effort, and with the large number of able lumbermen golf enthusiasts resident in the Philadelphia market, who have performed with so much credit in the annual contests of the Eastern Lumber Trade Golf Association, the rank and file of the latter organization can look forward to some big things from the Philadelphia players in the tournaments to come if they are to be privileged to improve their play through these frequent contests at home.

\*\*The Public Utilities Company of Evansville, Ind., a \$6,000,000 corporation formed for the merger of gas, steam heat and electric plants and the street railway in Evansville, have filed articles of incorporation with the Secretary of State. The incorporators include John G. McKee, Lafayette; Walter J. McGraw, Lafayette, and William Winter, of Indianapolis, while the directorate includes, besides the three named, John D. Cash, James C. Silverthorn, Charles H. Stlittorff, Charles Oswald, Levi Paxson and K. D. Leavitt. The addresses of none of the remaining directors was given. The State's fee from the company for incorporation was \$6,550.

The deal for the merger has been under way for several weeks. Several meetings were held in New York before the merger was

completed. The work of organizing the big utilities company was perfected in a large measure by Samuel Murdock.

The properties merged into the big company incorporated comprise the largest aggregation of public utilities in any Indiana city outside of Indianapolis, and the capital in the

enterprise is represented by the Murdocks, of Lafayette, Charles Finley Smith, formerly the owner of the old Waverley bicycle plant in Indianapolis and first president of the Indianapolis & Martinsville traction line, and what is known as the Clark-Hodenpyl syndicate, of New York and Philadelphia.

## CEMENT NOTE AND COMMENT

Experiments which show the value of white Portland cement as a hard finish for interior plaster have been made under the personal supervision of E. J. Alferrice, foreman for the Interborough Rapid Transit Company, New York City. Using Medusa white Portland cement, Mr. Alferrice made a plaster slab, the mixture consisting of one part cement and two parts clean sand (if clear white is desired marble dust should be used). This plaster was applied  $\frac{3}{4}$ -inch thick as a base, and the surface was left rough enough to insure good bond for finish coat, which was made of one part cement and one part fine marble dust and 10 per cent. (of the entire mix) of hydrated lime. This was applied in a thin coat and finished with a steel trowel. This left a smooth, hard surface equal to the best interior plaster, at an approximate cost for the material for the finish coat, of 12 cents per square yard for every eighth of an inch in thickness. Mr. Alferrice has been able to produce very beautiful marble effects using white Portland cement. The color effect is produced by dipping silk threads into the color desired and passing them over the face of the slab after the final troweling. It is said that to insure clear lines no attempt should be made to use the trowel after the color has been applied. Samples of plaster slab have been laid up on the walls, roof and store room of the Interborough Rapid Transit Company, New York City. Mr. Alferrice used white cement all the way through this slab. This seems hardly necessary. The same result may be obtained by using gray cement with 2 quarts of clean sand for scratch coat and a second coat of  $\frac{1}{4}$ -inch thick of one part white cement and two parts marble dust, the finish coat applied as on the slab described.

These experiments seem to open up a new field of use for white Portland cement as an interior finish material for the walls of churches, hospitals, school buildings, hotels and so on, as well as for kitchens, laundries, bath rooms, swimming pools and other places where a water-proof white wall is desired.—Concrete.

\* \* \*

The question of proper ventilation is an important one in concrete residences. In other construction there is a considerable air leakage through the walls and floors. Concrete, however, is wind-proof, which is of advantage, but ventilation must be provided in these buildings, if they are to prove health-

ful. For inexpensive homes of concrete specially adapted design for ventilation is essential.

"I am called upon to repair a concrete floor on a porch. The floor is perfectly level around the walls, but at various places in the center there are holes from one to three inches deep. The owner wants a new coating all over the floor without taking out the old floor. How am I to go about it to repair this floor and put on a new top coat?"

The best practice says that when a top finish is to be put on a concrete floor, the base of which is already hard, the finish should be at least one inch thick.

The first thing to do will be to clean the existing floor thoroughly. You should go over the floor with muriatic acid and water in a solution sufficiently strong to eat off all the foreign material and etch well into the old concrete. The soft or grainy places in the floor should be carefully chipped away. The acid should be washed off thoroughly with clean water as soon as it has done its work. The floor should be well wetted before the new floor is put on.

This should be a mixture of 1:2 cement and sand, which is well graded, with clean, hard grains, and it should be well pressed into the present floor, but, at the same time, you should not do any more troweling than is absolutely necessary to get a good finish, because troweling will bring the finest particles to the top and will not make a good wearing surface.—Concrete.

\* \* \*

A recent German invention is a concrete radiator for steam or hot water heat which was exhibited in different shapes and constructions last year at the Hygienic Exhibition in Dresden. It improves the sanitary condition of our living rooms by supplying together with the heat the moisture needed for the system of every human being who stays for lengths of time in a heated room.

The radiators are manufactured by pouring a mixture of cement and sand into special gypsum moulds, or iron castings. They can be made in all colors and shapes. The thickness of the walls is about  $\frac{3}{8}$  inch. The specific gravity of the concrete material is low and in consequence 10 square feet of radiator space weighs only 20 kg., which is hardly more than half of the weight of iron radiators.

The advantages in a sanitary view is to prevent the formation of dry air in a heated



room. The concrete radiators are porous, allowing moisture to go through. They heat more quickly and cool off more slowly than the iron radiator. They do not rust and can therefore be connected to hot water heating. Notwithstanding these advantages the concrete radiator costs very much less than the iron radiator.

The tests made with this radiator in different testing laboratories proved the superiority of them over the iron radiators. Refrigerators and radiators, the extremes of household equipment, can both use concrete to good advantage.—Cement Age.

### ARCHITECTURAL NOTES

It is remarkable, writes Arnold Bennett in "Harper's," that a citizen who cheerfully and negligently submits to so many various inconveniences outside his home should insist on having the most comfortable home in the world, as the American citizen unquestionably has! Once, when in response to an interviewer, I had become rather lyrical in praise of I forget what phenomenon in the United States, a Philadelphia evening newspaper published an editorial article in criticism of my views. This article was entitled "Offensive Flattery."

When I began to make the acquaintance of the American private house, I felt like one who, son of an exiled mother, had been born abroad and had at length entered his real country. That is to say, I felt at home. I felt that all this practical comfort and myself had been specially destined for each other since the beginning of time, and that fate was at last being fulfilled. Freely I admit that until I reached America I had not understood what real domestic comfort, generously conceived, could be. Certainly I had always in this particular quarreled with my own country, who average notion of comfort still is to leave the drawing room (temperature 70 degrees—near the fire) at midnight, pass by a wind-swept hall and staircase (temperature 55 degrees), to a bed room full of fine fresh air (temperature 50 to 40 degrees), and in that chamber having removed piece by piece every bit of warm clothing, to slip, imperfectly protected, between icy sheets and wait for sleep. Certainly I had always contested the joyfulness of that particular process; but my imagination had fallen short of the delicious innumerable realities of comfort in an American home.

Now, having regained the "barbaric seats" whence I came, I read with a peculiar expression the advertisements of fashionable country and town residences for rent or for sale. Such as: "Choice residence. Five reception rooms. Sixteen bed rooms. Bath room—" Or: "Thoroughly up-to-date mansion. Six reception rooms. Splendid hall; billiard room. Twenty-four bed rooms. Two bath rooms—" I read this literature (to be discovered textually every week in the best illustrated weeklies), and I smile. Also I wonder, faintly blushing, what Americans do think of the residential aspects of European

house property when they first see it. And I wonder, without blushing, to what miraculous degree of perfected comfort Americans would raise all their urban traffic if only they cared enough to keep the professional politician out of their streets as strictly as they keep him out of their houses.

\* \* \*

The Continental and Commercial Bank Building soon to be erected in Chicago, it is said, will stand as a monument to the late Daniel H. Burnham, and according to the "Dealers' Building Material Record" will be a masterpiece of Mr. Burnham's art. The building is to be constructed directly across the street from the offices of the "Dealers' Building Material Record," and is to be a structure twenty-one stories high, its height being limited by an ordinance of the Chicago City Council, which forbids the erection of buildings above 260 feet. There are to be three basements in this bank building, and the structure will occupy the entire block between La Salle street and Fifth avenue and Adams and Quincy streets, with a ground floor 166x324 feet. When completed this structure will be the largest bank building in the world, and with the exception of the Federal Building and the City Hall and County Building, the latter two of which are practically one structure, will be the largest building in Chicago.

Work has already been commenced upon the site of the new structure, and at present workmen are razing the buildings which are occupying the desired ground. To make way for the new building it has been necessary to tear down the structure of the Rand McNally Building, which, by coincidence, was the first steel skyscraper erected by Mr. Burnham. The construction work has been awarded to the Thompson-Starret Company, and is to be completed by September 1, 1914. It will cost when completed \$6,000,000. The exterior of the first four stories will be of granite with eight immense columns on the La Salle street side, of deep red granite. Above this the exterior will be of terra cotta to match the granite, with a wall foundation of brick.

A special feature of this immense bank building will be a huge dome which will run through six stories. The top of this dome will be 68 feet above the floor of the banking quarters.

The typical floors will contain 120 rooms, and to reach these there will be not less than thirty elevators, twenty-two of which are passenger, two combination, two private passenger, two automatic money lifts, two book lifts. In addition there will be one sidewalk elevator, one tunnel elevator and six dumb waiters.

Among the requisites given out for the various building materials will be orders for 60,000 barrels of cement, 17,500 yards of torpedo sand or screenings, 35,000 yards of crushed stone or gravel, 10,000 barrels of lime, 5,000,000 common brick, 200,000 white enameled brick, 107,000 pressed brick, 1,100,000 hollow brick, or a total of six and one-half

million brick; 7,000 yards of bank sand, 1,500 barrels of white non-staining cement, 1,300 yards of cinders, 390,000 feet of two-inch lagging, 530,000 feet of three-inch lagging, 230,000 of 3x12 sheet piling. There will be 142 caissons used on the job.

The common brick required in the job will be used as a foundation for the terra cotta exterior. White enamel brick is to be used on the walls facing the light courts. The trimming throughout the building is to be of mahogany; corridors will be wainscoted with marble seven feet high. On the first and second stories will be used imported Tavernelle marble, white Alabama to be used on the other floors.

There will be a complete coal and ash handling equipment in the new building, as well as ejectors to dispose of water in the sub-basements. There will be tunnel connections to the subway, and a refrigerator plant has been provided for, which will supply ice water for the tenants.

In addition to the regular mail chute, of which there will be two in this building, there has been provided an express call system, the first of its kind to be erected in a building of this nature. In the operation of this system each tenant will be supplied with small metal slugs containing a number and the name of the express company desired. When express service is wanted the tenant will drop one of these slugs in the express chute, which will immediately receive the attention of a clerk on the ground floor.

There will be 100,000 square feet of Thor arches on the job, and 30,000 tons of tile will be required. Every window will be provided with metal weather strips. There will be burglar-proof steel vaults which will consist of the regular steel rail and 4-inch steel lining.

## PATENTS

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### REAL ESTATE TRANSFERS.

Summary for week ending September 7, 1912:

Number of transfers.....	
Amount of transfers.....	\$1,452,825.00
Cash consideration .....	283,225.00
Mortgage consideration .....	1,169,600.00
Ground rent consideration.....	1,077.50
Which on a six per cent. basis amounts to .....	17,958.34

Don't fail to read "New Ideas, Materials and Devices."



# Reference Directory for Architects, Builders and Owners

**Artesian Wells.**  
Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.

**Artists' and Architects' Supplies.**  
F. Weber & Co., 1125 Chestnut st., Phila.

**Architectural Iron and Metal Work.**  
John L. Gaumer Co.,  
22d and Wood sts., Phila.

**Awnings**  
Bernard McCurdy,  
N. E. Cor. 9th and Arch sts., Phila.

**Brick (Face, Etc.)**  
O. W. Ketcham, Builders' Exchange, Phila.

**Brick Renovating.**  
Adolph Christensen,  
1433 Brown st., Phila.

**Blue Prints**  
Blue Print Co., 1516 Chestnut Street, Phila.

**Boilers and Radiators.**  
Isaac A. Sheppard & Co.,  
Erie ave. and Sepviva st., Phila.

**Brass and Bronze Work.**  
John L. Gaumer Co.,  
22d and Wood sts., Phila.

**Builders.**  
Mitchell Bros., 2125 Race St., Phila.  
Pomeroy Const. Co., 1609 Ransstead st., Phila.

**Builders' and Contractors' Machinery.**  
Henry T. Peirce, Bulletin Bldg., Phila.

**Canvas Roofing.**  
The Franklin Paper Co.,  
718 Cherry st., Phila.

**Cement.**  
Samuel H. French & Co.,  
4th and Callowhill sts., Phila.  
Chas. Warner Co., Land Title Bldg., Phila.  
Knickerbocker Lime Co.,  
266 N. 24th St., Phila.

**Cement and Asphalt Paving.**  
Wm. Krause, 1621 N. 5th St., Phila.

**Cement Colors.**  
Samuel H. French & Co.,  
4th and Callowhill sts., Phila.

**Cold Water Painting.**  
William B. Southern,  
N. W. Cor. 12th and Spruce sts., Phila.

**Concrete Engineer.**  
Conklin Engineering Co.,  
Heed Building, Phila.

**Electric Lighting, Power and Appliances.**  
Philadelphia Electric Co.,  
10th and Chestnut Sts.

**Elevator (Lubricators.)**  
American Engr. & Mfg. Co.,  
Real Estate Trust Bldg., Phila.

**Engraving, Photo and Line.**  
Chestnut Street Engraving Co.,  
7th and Chestnut sts., Phila.

**Fire Protection Equipment.**  
Jas. Boyd & Bros.,  
25th and Wharton sts., Phila.

**Flag Poles (wood and steel).**  
Bernard McCurdy,  
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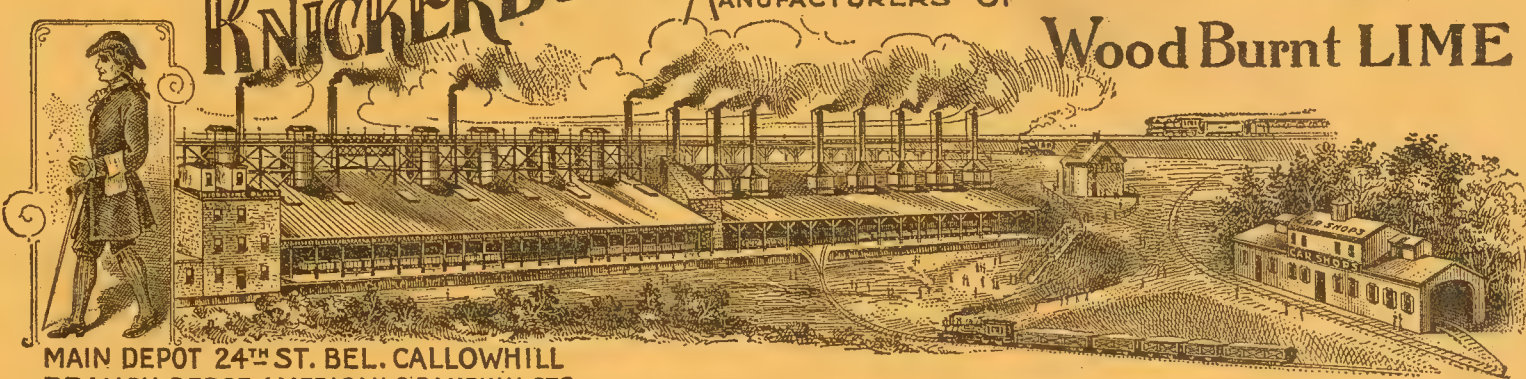
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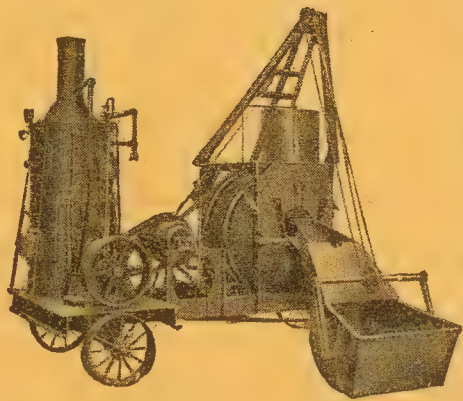
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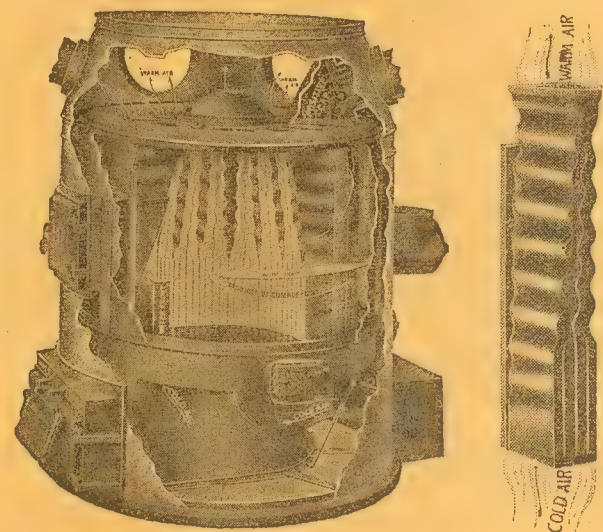
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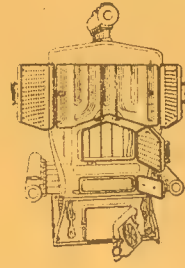
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THE PHILADELPHIA REAL ESTATE RECORD AND

# Builders' Guide

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Vol. XXVII., No. 38.

PHILADELPHIA, WEDNESDAY, SEPTEMBER 18, 1912.

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**Building (alt. and add.),** 7 and 9 South Eighteenth street. Architect, Guy King, 1513 Walnut street. Owner, William Henry Maule, 1707 Filbert street. Brick and concrete, fireproof, seven stories, slag roof, electric light, steam heat, elevators. Architect taking revised bids due September 19. The following are figuring: William R. Dougherty, 1608 Sansom street; H. E. Baton, Tenth and Sansom streets; A. Whitehead, 1624 Latimer street; Roydhouse-Arey Company, Fidelity Building.

**Residence,** St. Davids, Pa. Architect, D. K. Boyd, N. E. corner Fifteenth and Walnut streets. Owner, Charles S. Walton, Third and Vine streets. Stone, two and one-half stories, 125x60 feet, tile roof, electric light, hardwood floors, atmospheric heat. Architect taking revised bids due September 21. The following are figuring: Metzger & Wells, Heed Building; A. L. Fretz & Sons, 1222 Chancellor street; George & Borst, 277 South Eleventh street; H. H. Burrell, 1204 Chancellor street; E. J. Hedden, 14 South Broad street; N. W. Young, Overbrook; J. D. Lingle, Wayne, Pa.; William F. Dougherty, 1608 Sansom street; W. S. Capern, Haddonfield, N. J.

**Building (alt. and add.),** Eleventh and Filbert streets. Architect's private plans. Owners, Bell Telephone Company, Thirteenth and Arch streets. Brick, six stories, electric light. Owners taking bids due September 23. The following are figuring: E. E. Hollenback, Fifteenth and Race streets; F. W. Van Loon, Denckla Building; Charles McCaul Company, Tenth and Sansom streets; Pomeroy Construction Company, 1609 Ranstead street.

**Residence,** Wallingford, Pa. Architect, Walter Smedley, Stephen Girard Building. Owner, Powell Stackhouse, Wallingford, Pa. Stone, two and one-half stories, 47x45 feet, shingle roof, electric light. Architect taking bids due September 17. R. C. Ballinger, 218 North Thirteenth street, is figuring.

**Warehouse and Office Building,** 1247 and 49 North Twenty-sixth street. Architects, Ballinger & Perrot, 1211 Arch street. Owner, Charles J. Young Company, 1255 North Twenty-sixth street. Brick, three stories, slag roof, electric light, steam heat. Architects have received bids.

**Warehouse and Office Building,** Camden, N. J. Architects, private plans. Owners, Armstrong Cork Company, Camden, N. J. Brick and concrete, four and five stories, 163x320 feet, slag roof, electric light, steam heat, elevators. Owners taking bids due September

23rd. The following are figuring: H. E. Baton, Tenth and Sansom streets; A. R. Raff, 1635 Thompson street; Irwin & Leighton, 126 North Twelfth street; D. H. Sharp, Camden, N. J.

**Factory,** Lansdale, Pa. Architect, M. B. Beam, Lansdale, Pa. Owner, W. D. Heebner, Lansdale, Pa. Brick, two stories, 40x75 feet, slag roof, electric light. Architect has received bids.

**Home,** Cheltenham, Pa. Architect, C. Campbell, 618 Duseanon street, Philadelphia. Owners, Red Mens' Home, Cheltenham, Pa. Brick, two stories, 25x149 feet, slag roof, electric light, hot water heat. Owners have received bids.

**Residence (alt. and add.),** 2256 North Broad street. Architects, Sauer & Hahn, 1112 Chestnut street. Owner, Chas. Livingston, Eighth and Federal streets. Brick, three stories, slag roof, electric light, steam heat, hardwood floors. Architects have taken revised bids.

**Library,** Broad and Ritner streets. Architect, C. L. Borie, Fifteenth and Walnut streets. Owners, Free Library of Philadelphia, Thirteenth and Locust streets. Brick and granite, limestone, one story, 68x37 feet, tin and slate roof, electric light (heat, reserved). Architect taking bids due September 23rd. The following are figuring: A. Whitehead, 1624 Latimer street; Metzger & Wells, Heed Building; J. Myers & Sons, Witherspoon Building; F. A. Havens, 845 North Nineteenth street; J. S. Cornell & Sons, Land Title Building; Wm. R. Dougherty, 1609 Sansom street; J. R. Wiggins & Company, Heed Building; H. H. Burrell, 1204 Chancellor street.

**Factory,** Thirtieth and Master streets. Architects, Peuckert & Wunder, 310 Chestnut street; Owners, J. M. H. Walters, Thirtieth and Master streets. Brick and concrete, four stories, 144x50 feet, slag roof, electric light, steam heat. Architects taking bids due September 20th. The following are figuring: P. Haiback Contracting Company, Twenty-sixth and Thompson streets; F. A. Havens Company, 845 North Nineteenth street; George & Borst, 277 South Eleventh street; H. L. Brown, 1714 Sansom street; Herman Vogt, 1251 North Twenty-eighth street.

**Factory,** Thirty-third and Arch streets. Architect and engineer, Wm. Steele & Sons, 1600 Arch street. Owner, Electro Dental

Manufacturing Company, 1228 Arch street. Brick and concrete, six stories, 92x185 feet, elevators, electric light, steam heat, slag roof. Builder, Wm. Steele & Sons, Sixteenth and Arch streets, are taking sub-bids.

**Stores and Apartments,** St. Charles Place and Delaware avenue, Atlantic City, N. J. Architects, Magaziner & Potter, 135 South Fifth street, Philadelphia. Owners, Seltzer Bros., Atlantic City, N. J. Brick, three stories, slag roof, electric light, hot water heat. Plans completed. Architects ready for bids.

**Chapel and Administration Building (alt. and add.),** Forty-fourth and Market streets. Architects, Brockie & Hastings, 1715 Sansom street. Owners, Pennsylvania Hospital for Insane, on premises. Brick, two stories, slate roof, electric light, steam heat. Architects taking bids due September 16th. The following are figuring: F. E. Wallace, 1210 Sansom street; H. H. Burrell, 1204 Chancellor street; J. S. Cornell & Son, Land Title Building.

**Garage,** Twentieth and Indiana avenue. Architect, Chas. Balderson, 411 Walnut street. Owner, Freihofer Baking Company, on premises. Brick and concrete, two stories, 60x114 feet, slag roof, electric light, steam heat, elevators. Plans in progress.

**Hotel,** Memphis, Tenn. Architect, Hanker & Cairns, Memphis, Tenn. Owner, Chickasaw Hotel Company, Memphis, Tenn. Brick, stone and terra cotta, fireproof, eight stories, 175x150 feet, slag and tile roof, electric light, steam heat, elevators. Architects taking bids due October 7th. Chas. McCaul Company, Tenth and Sansom streets, is figuring.

**Residences (2),** Girard College. Architect, J. T. Windrim, Twelfth and Chestnut streets. Owner, Estate of Stephen Girard, Stephen Girard Building. Marble and brick, three stories. Plans in progress.

**Art Gallery,** Germantown, Phila. Architects, Druckenmiller, Stackhouse & Williams, Land Title Building. Owners, C. K. Smith, 9201 Germantown avenue. Brick and stone, two stories, 25x25 feet, electric light, slate roof, hot water heat. Architects taking bids due September 20th. The following are figuring: Stacey Reeves & Sons, 1611 Filbert street; Irwin & Leighton, 126 North Twelfth street; F. L. Hoover & Sons, Builders' Exchange; J. E. Wait, Chestnut Hill; J. F. Grant, Chestnut Hill.

**Bank,** Twenty-ninth and Dauphin streets. \$30,000. Architect, W. C. Furber, 416 Walnut



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**N. E. Cor. 22d and Wood Streets**

street. Owners, North Penn National Bank, 2243 North Twenty-ninth street: Brick, limestone and granite, one story, 46x92 feet, slag roof, electric light, steam heat. Architect taking bids due September 19th. The following are figuring: Herman Voigt, 1251 North Twenty-eighth street; E. H. Sturts, 2614 Ridge avenue; S. B. MacDowell & Sons, 1927 Montgomery avenue; H. L. Brown, 1714 Sansom street; A. Raymond Raff, 1635 Thompson street; Wm. R. Dougherty, 1608 Sansom street; J. P. Emery, North Wynnefield; Stacey Reeves & Sons, 1611 Filbert street.

**Valve House (add.)**, Germantown, Pa. Architect, private plans. Owners, United Gas Improvement Company, Broad and Arch streets. Plaster, one story, slate roof. Owners have received bids.

**Fire House**, Cheltenham and Germantown avenues. Architect, C. B. Zilenziger, City Hall. Owners, City of Philadelphia. Brick and marble, terra cotta, two stories, 35x72 feet, electric light, steam heat, tin and slag roof, enamel brick. Plans in progress.

**Hospital**, Philadelphia. Architect, C. B. Zilenziger, City Hall. Owners, Philadelphia County Prison, care of J. W. Hutchins, Broad and Walnut streets. Frame, one story, 33x22 feet, slate roof, electric light. Owners taking bids due September 27th. Wm. R. Dougherty, 1608 Sansom street, is figuring.

**Post Office**, Butler, Pa. Architect, Oscar Wenderoth, Washington, D. C. Owners, United States Government, Treasury Department, Washington, D. C. Stone, two stories, 58x96 feet, electric light, steam heat, tin roof. Owners taking bids due October 7th. The following are figuring: T. T. McCarthy, 411 Walnut street; J. W. Emery, 1524 Sansom street; J. E. & A. L. Pennock, Land Title Building.

**Building (alt. and add.)**, 1004 Race street. Architects, Ballinger & Perrot, 1211 Arch street. Owners, Geo. Miller & Sons, on premises. Brick, electric light, slag roof, steam heat. Architects taking bids due September 18th. The following are figuring: B. Ketcham's Sons, 1029 Brown street; Wm. R. Dougherty, 1608 Sansom street; A. Whitehead, 1624 Latimer street; H. E. Baton, Tenth and Sansom streets; H. H. Burrell, 1204 Chancellor street; W. R. Brown, 2145 East Fifth street; Thos. H. Marshall, 413 Locust street.

**Bungalow**, Princeton, N. J. \$25,000. Architect, Chas. Barton Kenn, Bailey Building. Owner, Miss A. T. Mikoff, Princeton, N. J. Stone, fireproof, one and one-half stories, 61x100 feet, hardwood floors, vapor vacuum heat, tile or slate roof, electric light. Architect taking bids due September 19th. The following are figuring: Burton & Burton, Trenton, N. J.; W. R. Mathews, Princeton, N. J.; Thos. M. Seeds, 1207 Race street; M. W. Young, Overbrook, Pa.; H. L. Brown, 1714 Sansom street; S. W. Mather & Sons, Trenton, N. J.

**Theatre**, Paul and Orthodox streets. \$5,000. Architect, private plans. Owner, Geo. H. Chapman, 3943 Kensington avenue. Brick, one story, 45x85 feet, electric light, steam heat, slag roof. Owner taking sub-bids.

**Store Building**, Easton, Pa. Architects, Martin & Kirkpatrick, 426 South Broad street. Owners, Bush & Bull, Easton, Pa. Brick, terra cotta, three stories, 90x240 feet,

slag roof, steam heat, electric light, elevators. Revised plans in progress.

**Stores (2)**, Fifty-second and Market streets. Architect, C. F. Parker, 1227 West Hiller street. Owner, Wm. Freihofer, Twentieth and Allegheny avenue. Brick, two stories, 32x50 feet, slag roof, electric light, steam heat. Owner has received bids.

**Residence (alt. and add.)**, Elberon, N. J. Architect, Julius F. Gayler, 225 Fifth avenue, New York City. Owners, Hamilton F. Kean, Elberon, N. J. Brick and frame, three stories, electric light, tile roof, hardwood floors. Architect has received bids.

**Passenger Station**, Chambersburg, Pa. Architect, W. H. Cookman, Broad street Station. Owners, Pennsylvania Railroad Company, Broad street Station. Brick, stone and terra cotta, one and one-half stories, 50x100 feet, slate and slag roof, electric light, steam heat. Plans in progress.

**Library**, Harvard University, Mass. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, Geo. D. Widener Memorial Library, Harvard University. Stone, two stories. Plans in progress. Architect will take bids in about one month.

**Entrance Passenger Tunnel**, North Philadelphia. Architect, W. H. Cookman, Broad street Station. Owners, Pennsylvania Railroad Company, Broad street Station. Brick and concrete, steel and glass, electric light, slag roof. Plans in progress.

**Passenger Station**, North Philadelphia (Germantown Branch). Architect, W. H. Cookman, Broad street Station. Owners, Pennsylvania Railroad Company, Broad street Station. Brick, one story, electric light, slag roof, slate roof, steam heat. Plans in progress.

**Club House**, 1324-26 Melon street. Architect, Wm. Broadhead, 1151 East Cheltenham avenue. Owners, Operative Plasterers' Mutual Protective Union, care of architect. Brick, two stories, 32x55 feet, slag roof, electric light (heat reserved). Architect has received bids.

**Garage**, Trenton avenue and Westmoreland streets. Architect, R. E. White, Pennsylvania Building. Owner, Owen Letters & Son, on premises. Brick, one story, 50x90 feet, slag roof, electric light. Architect has received bids.

**Stable**, Enfield, Pa. Architects, Thomas, Churchman & Molitor, 1309 Walnut street. Owner, W. A. M. Fuller, Enfield, Pa. Frame, two stories, 54x37 feet, shingle roof, electric light, hot water heat. Architects taking bids due September 20th. The following are figuring: W. J. Stevens, Wyncote, Pa.; Metzger & Wells, Heed Building; F. L. Hoover & Sons, Builders' Exchange; H. H. Burrell, 1204 Chancellor street; A. L. Fretz & Sons, 1222 Chancellor street; Fred Elvidge & Sons, 5522 Germantown avenue; Sam Harding, 20 East Johnson street.

**Dining Room**, Byberry Farms, Pa. Architect, P. H. Johnson, Land Title Building. Owners, City of Philadelphia, care of Dr. J. S. Neff, City Hall. Frame, one story, shingle roof, electric light, steam heat. Plans completed. Architect taking bids due September 24.

**Residence**, Ardmore, Pa. Architects, Evans,



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## Permits for New Buildings

Berg Distillery Company (O), Swanson and Tasker streets. M. P. Wells, Witherspoon Building. Cost, \$15,000. Factory, brick, two stories, 42x60 feet.

A. Zuinicki (O), 1632 Hunting Park avenue. Cost, \$8,500: Five dwellings, brick, two stories, 14x38 feet, Rowan and Hicks streets.

F. Kuhn (O), Allen and Victoria streets. T. Pacan (C), 4522 Salmon street. Cost, \$1,800. One dwelling, brick, two stories, 16x40 feet. Cost, \$2,200. One dwelling.

C. F. Rumpp & Son (O), Fifth and Cherry streets. A. Raymond Raff (C), 1635 Thompson street. Cost, \$40,000. Factory, brick, seven stories, 58x50 feet.

Mrs. L. F. Koehler (O), 5920 Germantown avenue. H. Harting (C), 137 East Duval street. Cost, \$4,000. Residence, brick, three stories, 14x42 feet, Kingley and Wissahickon avenue.

Henry Disston Sons (O), Tacony, Pa. F. W. Van Loon, Denckla Building. Cost, \$20,000. Power house, brick, one story, 28x93 feet.

Geo. H. Chapman (O), 3943 Kensington avenue. Cost, \$5,000. Theatre, brick, one story, 45x85 feet, Orthodox and Paul streets.

H. C. Kuhn (O), 4901 Knox street. Cost, \$4,000. Dwelling, brick, three stories, 20x65 feet, Sloecum and Germantown avenue. Cost, \$12,000. Three dwellings. Cost, \$5,000. Dwelling.

Walter King (O), Fox Chase. Wm. Schmidt (C), 1925 North Twentieth street. Cost, \$2,200. Two dwellings, brick, two stories, 16x40 feet, Fox Chase.

Ella P. Deitrich (O), 3018 Comly street. Cost, \$4,000. Two dwellings, brick, two stories, 16x45 feet, Higbee and Walker streets.

Philip Cohen (O), 8416 Eastwick avenue. Cost, \$2,600. Store and dwelling, brick, two stories, 16x50 feet, Eighty-fourth and Eastwick avenue.

W. E. Strock (O), 7326 Second street Pike. Cost, \$9,000. Six dwellings, brick, two stories, 16x37 feet, Austhun and D streets.

Daniel Dever (O), 1634 Market street. J. McShain (C), 631 North Seventeenth street. Cost, \$9,000. Warehouse, brick, nine stories, 18x120 feet, 1636 Market street.

Brehm & Stehle (O), Allegheny and Trenton avenues. W. E. Dotts & Company (C), 148 North Second street. Cost, \$4,800. Boiler house, brick, one story, 38x48 feet.

Chas. H. Baumann (O), 5629 Ross street. W. J. Cowell (C), 943 East Cheltenham avenue. Cost, \$8,850. Two dwellings, brick, three stories, 17x40 feet, 5035-37 Pulaski avenue.

F. & L. Davis (O), Thirteenth and Nedro streets. Cost, \$2,500. One dwelling, brick, two stories, 16x42 feet, Thirteenth and Nedro streets.

J. Edwards & Company (O), 608 Cherry street. Wm. Steele & Sons (C), 1600 Arch street. Cost, \$175,000. Manufacturing brick, ten stories, 71x124 feet, Twelfth and Wood streets.

J. E. Rafferty (O), 4128 North Broad street. Cost, \$9,100. Seven dwellings, brick, two stories, 15x26 feet. Cost, \$7,000. Seven dwellings, Memphis and Ann streets.

Carnegie Fund Committee (O), Thirteenth and Locust streets. Pomeroy Construction Company (C), 1609 Ranstead street. Cost, \$32,200. Library, brick, one story, 89x38 feet, Twentieth and Shunk streets.

C. M. Swartley (O), 4277 Hermitage street. Cost, \$2,000. One dwelling, brick, two stor-

Warner & Register, Witherspoon Building. Owner, Rowland Evans, care of architect. Stone and frame, two and one-half stories, 30x55 feet, slate roof, electric light, hardwood floors. Plans in progress.

Garage, Oak Lane, Pa. Architects, Simon & Bassett, 1112 Chestnut street. Owner, Edward R. Perry, care of architect. Plaster, one story, 20x25 feet, shingle roof, electric light. Plans completed. Architect ready for bids.

Residence, Jenkintown, Pa. Architects, Simon & Bassett, 112 Chestnut street. Owner, Valeria Small, care of architect. Brick and plaster, two and one-half stories, electric light, steam heat, hardwood floors, slate roof.

Plans completed. Architect ready for bids.

Building (alt. and add.), 436 Market street. Architect, J. A. MacMahon, 116 South Fifty-fourth street. Owner, Estate of William E. Donovan, on premises. Brick, steel and glass, electric light, steam heat. Architects taking bids due September 21. F. E. Wallace, 1210 Sansom street, is figuring.

Factory (add.), Ontario and D streets. Architect's private plans. Owners, Philadelphia Storage Battery Company, on premises. Brick, two stories, 50x186 feet, slag roof. Owners taking bids due September 20. J. Richard Jackson, Perry Building; Thomas C. Trafford, 1613 Sansom street; James G. Doak & Co., Crozer Building, are figuring.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Stores (alt. and add.), 1636 Market street. Architects, Henon & Boyle, 14 South Broad street. Owners, Daniel Deaver, on premises. Brick and concrete, four stories, 18x60 feet, electric light, slag roof (elevators reserved). Contract awarded to J. McShain, 631 North Seventeenth street.

Residence, Lansdowne, Pa. Architects, Heacock & Hokanson, Bailey Building. Owner, Thos. M. Longcope, Lansdowne, Pa. Plaster, three stories, 30x50 feet, shingle roof, electric light, hardwood floors, hot air heating. Contract awarded to Geo. Riley, of Lansdowne, Pa.

Residence (alt. and add.), 106 North Nineteenth street. Architects, Chas. Bolton & Sons, Witherspoon Building. Owners, name withheld. Consists of interior alterations and additions, electric light, hardwood floors. Contract awarded to James Dunlap, Twenty-second and Brown streets.

Residence (alt. and add.), Bouvier and Shunk streets. Architects, Magaziner & Potter, 137 South Fifth street. Owner, Mrs. E. Smith, on premises. Brick, two stories, electric light, slag roof (heat, reserved). Contract awarded to W. J. McAdams, 1815 South Eighteenth street.

Cottage, Cape May, N. J. Architects, Brockie & Hastings, 1713 Sansom street. Owner, Wm. H. Morice, Water and Tasker streets. Shingle, three stories, 38x40 feet, shingle roof, three bath rooms. Contract awarded to Sharp & Company, Cape May, N. J.

Club (add.), 1314 North Broad street. Architect, Geo. V. Rehffuss, 1324 Chestnut street. Owner, Moose Club, care of Mr. Meenehan, Fourth and Vine streets. Brick, three stories, tin roof, electric lighting, hot air heating, reserved. Contract awarded to Coelbert Construction Company, Betz Building.

Barn and Stable, Lansdale, Pa., \$5,000. Architect, private plans. Owner, R. G. Koch, Lansdale, Pa. Frame, two stories, 40x60 feet, shingle roof, electric light. Contract awarded to Stacey Reeves & Sons, 1611 Filbert street.

School, Ocean City, N. J. Architect, E. M. Henderer, Ocean City, N. J. Owner, Board of Education of Ocean City, N. J. Brick, terra cotta, two stories, 133x56 feet, slag roof, electric light. Contract awarded to Abel Bottoms & Sons Co., 41 South Fifteenth street.

Sub-station (alt. and add.), Chester, Pa. Architect, J. T. Windrim, Twelfth and Chestnut streets. Owners, Beacon Light Company, Chester, Pa. Brick, one story, slag roof. Contract awarded to A. P. Sheaff, Chester, Pa.

Residence (alt. and add.), Elkins Park Pa. Architects, Heacock & Hokanson, Bailey Building. Owner, H. L. Murphy, Elkins Park, Pa. Frame, two and one-half stories, shingle roof, electric light. Contract awarded to F. B. Davis, 35 South Seventeenth street.

Swimming Pool, Germantown, Pa. Architects, Cleveland & Godfrey, Boston, Mass. Owners, Germantown Y. M. C. A., 5240 Germantown avenue. Brick and steel, one story, 98x37 feet, slag roof, electric light. Contract awarded to William C. Wright, 22 Harvey street, Germantown.

Warehouse and Offices, 1247 and 49 North Twenty-sixth street. Architects, Ballinger & Perrot, 1211 Arch street. Owner, Charles W. Young Company, 1255 North Twenty-sixth street. Brick, three stories, slag roof, electric light, steam heat. Contract awarded to Philip Haiback Contracting Company, Twenty-sixth and Thompson streets.

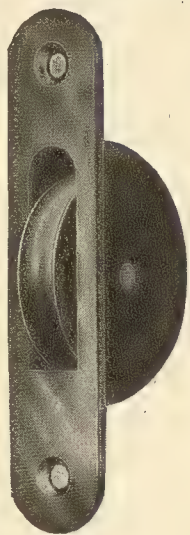
Store Building (alt. and add.), 923 Walnut street. Architect, H. L. Reinhold, 1309 Walnut street. Owner, Julius Wellner, 905 Walnut street. Plaster and brick, two stories. Contract awarded to Lam Building Company, 1001 Wood street.

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The Ajax Metal Company (O), 46 Rich-  
mond street. W. W. Easby (C), 1420 Chest-  
nut street. Cost, \$25,000. Factory, brick,  
one story, 82x149 feet, Orthodox and Bristol  
streets.

D. J. Rafferty (O), Kensington avenue and  
Lippincott street. Harry Moyer (C), 2037  
East Wishart street. Cost, \$2,000. Dwelling  
and store, brick, two stories, 15x45 feet, Am-  
ber and Ontario streets. Cost, \$1,800. Dwelling.

Robert Hamilton (O), 3312 Hamilton street.  
Cost, \$15,000. Moving Picture Parlor, brick,  
one story, 59x92 feet, Lansdowne avenue and  
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## Alterations and Additions

St. Malachy's Church (O), Eleventh and  
Jefferson streets. Dorsey & Smith (C), 111  
North Seventh street. Cost, \$2,200. School.

Real Estate Title Insurance & Trust Com-  
pany (O), 523 Chestnut street. Pomeroy  
Construction Company (C), 1609 Ranstead  
street.

Real Estate Title Insurance & Trust Com-  
pany (O), 523 Chestnut street. Pomeroy  
Construction Company (C), 1609 Ranstead  
street. Cost, \$78,000. Banking house.

Fourty-four Cigar Company (O), Eleventh  
and Wharton streets. H. C. Dahl (C), 231  
South Eighth street. Cost, \$4,000. Factory.

Harper Memorial Church (O), Twenty-ninth  
and Susquehanna avenue. J. J. Sites (C),  
2918 Fletcher street. Cost, \$1,700. Church.

First Regiment Armory (O), Broad and  
Callowhill streets. E. E. Hollenback (C),  
Fifteenth and Race streets. Cost, \$6,000.  
Armory.

Victor Frings (O), 5833 Thomas avenue. J.  
B. Flounders (C), 1329 Arch street. Cost,  
\$2,400. Dwelling.

C. R. Briggs, 1802 North Eighth street. A.  
Leyenberger (C), 1803 North Eighth street.  
Cost, \$9,000. Office.

Montgomery Bros. (O), 45 South Second  
street. W. Meyers & Company (C), 216  
Quarry street. Cost, \$1,000. Factory,  
Twenty-second and Penrose avenue.

Murphy Bros. (O), Thirtieth and Reed  
streets. W. H. Gravell (C), 1420 Chestnut  
street. Cost, \$2,500. Factory.

Ed. Condon (O), 7059 Tulip street. Cost,  
\$2,000. Coal Trestle, Cottman street and  
Philadelphia and Reading Railroad.

Dr. L. A. Effron (O), Eighth and Pine  
streets. J. Rose & Sons (C), 5121 Brown  
street. Cost, \$3,000. Store and Apartment  
house.

J. T. Grindou (O), 3146 Wukel street.

Harry Drake (C), 3134 Frankford avenue.  
Cost, \$1,100. Shop, Jannay and Allegheny  
avenue.

M. Illoway (O), 149 East Coulter street.  
F. K. Stahl (C), 2713 North Park avenue.  
Cost, \$1,250. Dwelling, 6636 Greene street.  
Wm. Amer Company (O), Third and Willow  
streets. J. Bechtel (C), 140 Fairmount ave-  
nue. Cost, \$2,000. Factory.

J. C. Sheahan (O), 2122 Spring Garden  
street. E. Y. Funk (C), 1502 North Twenty-  
first street. Cost, \$2,400. Dwelling and  
store, 1331 Race street.

Mrs. C. E. Clark (O), 1722 North Nine-  
teenth street. C. E. Clark (C), 155 North  
Thirteenth street. Cost, \$800. Shop, 223  
North Juniper street.

E. Smith (O), 2601 South Bouvier street.  
W. J. McAdams (C), 2030 Moore street.  
Cost, \$1,000. Store and dwelling.

A. Weissman (O), 928 North Second street.  
Bakt & Cohen (C), 936 North Fourth street.  
Cost, \$2,000. Stable, 935 North Orianna  
street.

Chas. Bonfig (O), 621 Lansdowne avenue.  
M. J. Lazaroff (C), 1418 South Sixth street.  
Cost, \$815. Store and dwelling.

Mrs. K. Loughery (O), Locust and Morton  
streets. W. J. Cowell (C), 943 East Chel-  
ten avenue. Cost, \$1,000. Dwelling, Locust and  
Morton streets.

Jefferson Medical College (O), Tenth and  
Walnut streets. Pomeroy Construction Com-  
pany (C), 1609 Ranstead street. Cost, \$5,000.

United Cigar Store Company (O), New  
York City. Ed. Fay & Sons (C), 1521 Ran-  
stead street. Cost, \$1,000. Building, Twelfth  
and Market streets.

Philadelphia and Reading Railroad Com-  
pany (O), Twelfth and Market streets. Enos  
Seeds (C), Falls of Schuylkill. Cost, \$6,600.  
Shed.

## NEW INVENTIONS.

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Number of Patent.

Frank Knight, New Haven, Conn., door  
opening and closing mechanism. No. 1,037,-  
267.

R. T. Merrill, Milwaukee, Wis., ventilator  
and chimney-cap. No. 1,037,286.

J. D. Rives, Atlanta, Ga., assignor to J. W.  
Blosser, Atlanta, G., building construction.  
No. 1,037,321.

A. K. Smith and E. A. Kumming, St. Louis,  
Mo., assignor to Cutler Mail Chute Company,  
Rochester, N. Y., mail chute. No. 1,037, 348.

Edward Von Gunten, Akron Ohio, combined  
door check and lock. No. 1,037,377.

C. W. Beverstock, Los Angeles, Cal., con-  
crete construction. No. 1,037,416.

I. G. Dodge, San Francisco, Cal., door secur-  
ing device. No. 1,037,457.

C. H. Schmidgall and O. A. Barnewolt, Pe-

oria, Ill., said Barnewolt, assignor to F. G.  
Lindeburg, Peoria, Ill., hinge holding device.  
No. 1,037, 547.

Philip Schwickart, New York, N. Y., build-  
ing light and ventilator. No. 1,037,668.

Joseph Baumruk, Chicago, Ill., weather-strip  
No. 1,037,720.

Daniel Dowd, Los Angeles, Cal., stud for  
use in building construction. No. 1,037, 738.

C. B. Hawver, Syracuse, N. Y., window-  
shelf. No. 1,037,904.

J. F. Lessing, St. Joseph, Mich., folding  
blind. No. 1,037,938.

C. A. Sturm, Portland, Ore., elevator. No.  
1,038,020.

B. F. Foss, Portland, Me., safety door-bolt.  
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ARCHITECTURE**

H. P. BERLAGE in "The Western Architect"

"Time alters fashion \* \* \* but that which is founded on geometry and real science will remain unalterable."

This device was chosen by the English cabinet-maker, Steraton, for his collection of designs, entitled "The Cabinet Maker," which book appeared about the middle of the eighteenth century. Reading it, one would think that such a device was meant for a scientific work, and not for one about furniture.

Nevertheless, I consider this motto to be correct, even when applied to a treatise on the architectural arts, because I am convinced that geometry is not only of great practical value in designing artistic forms, but that it is even a necessary means to attain pure artistic results. And why?

The Romans have already said that it is no use quarrelling about matters of taste; all the same, it ought not to be possible to utter opinions about art without any argument, and, for instance, a specimen of architecture to be condemned by everybody with a simple "I don't like it."

It should not be possible that "the man in the street" can express opinions on the same footing as another, who has penetrated into the deepest meaning of art—and that, lastly, and artist can be jeered at by that same "man in the street," without any well-founded arguments, and that because of a work far above the humdrum level of the masses.

And even on a higher plane, amongst artists, differences of opinion about what is beautiful should be settled, because it ought not to be possible that one praises what is condemned by another, both without even semblance of argumentation.

But, as Hegel says, "it will ever be so that every man judges characters or works of art, actions or happenings, according to his views and his sentiments; and as every conception of taste is the issue of the external and the superficial, and moreover the precepts of the same are equally derived from an individual selection of works of art, and from a limited exercise of brain and a heart, its scope is therefore insufficient, and not able to understand the essential and true, nor to obtain a keener insight."

But, after all, it ought to be possible to compel the opponent to confess:—"true, I do not like this work, but I must acknowledge

that it possesses qualities of beauty, that it makes an impression upon me, in short, that I recognize it as the work of an artist."

When investigating into the cause of these differences of opinion, the conviction is arrived at that in the majority of cases, concurrence is only then possible, when the way of originating is being discussed.

Much would, indeed, be gained, if one could point out to the opponent, before he pronounces his verdict, the peculiarities of construction, and the steadfastness with which forms, lines and colors are arranged, and if, with architectural works, of which in particular I will speak to-night, it could be shown that the elevations are logically developed from the ground-plan, that the building-masses are in harmony with these, so that the structure as a whole appears in all its parts as a perfect unit. For when after all, this latter may be said of a work of art, it stands above the judgment arrived at by the ordinary notions of taste, and even above the opinion given by many experts.

For, says Kant, "beautiful is surely that, which is presented as an object of general delight, without understanding, without any category of reason. But all the same a well-developed mind is necessary to value the beautiful; man as he is and does, has no opinion about the beautiful, because that opinion claims general recognition."

Now the question arises, how then a work of art should be, so that in it is present that "unity in diversity" which is the condition to that which is nothing but "style"?

And this question finds its answer in nature herself; because it compels us to inquire into the cause of what makes a work of art of a plant, what makes us constantly admire nature around us, and what, lastly, confers upon the universe its sublimity, not understood by us men.

It is the laws to which nature is subjected; it is the laws under which the universe is formed, and is constantly being reformed; it is the laws which fill us with admiration for the harmony with which everything is organized, the harmony which penetrates the infinite even to its invisible atoms.

Semper, the great German architect, says in his Prolegomena to his work "On Style:" "Even as nature, with her infinite fullness, is very frugal in patterns; even as a con-

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tinual repetition of her basic forms is perceptible; even as these basic forms appear in thousands of variations, here shortened or lengthened, there wholly transformed or merely embryonically, according to the conditions of existence of the different creatures; even as nature has its historical development, in which old patterns are recurring with every transformation—so in art only a few normal forms and types, derived from the most ancient traditions, but showing in their repeated appearances an endless variety, and having, like types in nature, their history, go to make up the basis. In this connection nothing is purely arbitrary; everything is fixed by circumstances and proportions (relations)."

It is this last sentence to which I would draw special attention, because, as in nature, all human institutions are subjected to laws.

Man himself has felt the necessity of organization, because existence itself is only possible through organization, because thereby alone can anything of general value be attained. And so I do not hesitate to draw the analogical parallel in the matter of the creation of works of art, and to argue that therewith nothing out to arise arbitrarily.

This means, practically—aesthetically speaking, that even as the forms of nature are based on mathematical laws, the same must be the case with a work of art.

I need only remind you in this connection of the stereometric-ellipsoidal forms of the astral bodies, and of the purely geometrical



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shape of their courses; of the shapes of plants, flowers and different animals, with the setting of their component parts in purely geometrical figures; of the crystals with their purely stereometrical forms, even so that some of their modification remind one N. B. of the basic forms of the Gothic style; and lastly, of the admirable systematicalness of the lower animal and vegetable orders, in latter times brought to our knowledge by the microscope, and which I have myself used as motive for the designs of a series of ornaments

And where one speaks, even in the sublimest sense, of the "construction" ("building") of the Universe, it ought to be clear that it is not possible for humanity to make its architectural works without laws. And this is really not possible, because, however paradoxical it may perhaps sound, even in creating works of art no perfection can be attained without laws, that is, without method.

This opinion is opposed to that of later times, viz.: that art should be free, and its creation a personal, independent act. That

opinion is the result of the influence which the art of painting has had upon the whole outlook on art of the last centuries, because of the three plastic arts that of painting has become the principal, and thereby the prevailing art.

The word "picturesque" became a magic term, in this sense that every ruin has greater attraction for the public than an architectural creation, and that a picture with a cow standing by a ditch in it, is certain of higher sympathy than the paintings of Giotto or Michael Angelo.

But is not, after all, everything that is beautiful picturesque, that is, worth being pictured, so that the sublime even therefore will be more picturesque than the ordinary?

This influence of the art of painting even caused architects and sculptors to commence working in a picturesque manner—a conception (idea) which in principle had originated with the Renaissance. For the Renaissance means the spiritual movement in the direction of the personal, the unconventional, as reaction against the conventional utterances of the Middle Ages.

And therewith began a time of great disadvantage, especially for architecture, because it then entered the domain of the so-called liberal arts, which in reality meant the commencement of the period of decline. According to the present-day these ideas sound inartistic, whilst over against this could be set the opinion that not only should art be subjected to laws, but that even higher artistic expression is not possible without these laws.

And this does not apply to architecture alone—for which this standpoint could be explained from the essence of this art itself—but also for both the sister-arts, painting and sculpture.

Quoth Hegel:—"Art, far from being the highest spiritual form, finds its highest confirmation in science."

It is already evident that, according to these considerations, there is no room inside an architectural composition for a picture or a drawing-room statuette, as we know them—because both the categories have gradually withdrawn themselves from the community of the plastic arts, led by architecture.

The only possible way to once more attain to a higher architecture is in a renewed confirmation of this union, so that sculpture and painting once again will have to subject themselves to the laws of the community.

Which, now, are these laws, to which the several arts must answer? How shall we once more attain a "unity in diversity," this generally known characteristic of style?

The reply follows from these considerations;—by generally speaking, following nature, because nature also is governed by laws from which follows that her products show arrangement, that is order; and order means the principle of style.

It is only therefore that nature must be considered the teacher of art.

And we can especially learn from the old

monuments, if we only investigate how it is that they present a picture of arrangement, that is of order.

This picture is, however, more conscious, more consistent than that of nature, because art possesses beauty of a higher order.

Quoth Hegel:—"Artistic beauty is born of the mind and reborn beauty; and as many times as the mind and its products stands higher than nature and its phenomena, so many times is artistic beauty loftier than the beauty of nature."

The consequence of the considerations is that our architecture, too, should be arrived at, according to a certain geometrical, or stereometrical system.

For, why should not prevail in the plastic arts that which is accepted as a matter of course in music and poetry? Can one conceive a musical composition without fixed pitch and time, or a poem without rhythmic versification?

Does the elaboration of the artistic idea thereby become hide-bound? This is the case neither with the musical idea because of the rules of tonality, nor with the poetical idea because of the rhythmic versification:

On the contrary, this rhythm is a means to beauty, without which a musical work would not be music, and a verse would not be poetry.

Now, is it a hazardous inference, to maintain that an architectural work without due rhythm is not an architectural work either? It is, however, curious that, if we should turn to such a method, we should be doing anything new, as investigation has brought to light.

For this method would conform with that of the Greeks and the people of the Middle Ages, who with their "modul" and system of triangles, have indeed created the architectural proportions according to a fixed rhythm. It is, moreover, well-known, that, when copying historical forms, that is working eclectically, we do so with the same "modul" and "parties."

But we do this thoughtlessly, confining ourselves to the classical "Portico," in the majority of cases all that remains of the classical times, because no examples exist for the other parts of the building. Is this, in parentheses, not in itself sufficient to ask ourselves whether it would not be advisable to refrain from copying ancient styles??

We know the Greeks used to build in the entire temple according to a definite form, as has been elaborately explained by Fergusson in his "History of Architecture."

Charles Cipier shows even that its principal proportions harmonize with that of a chord in music that is according to simple figures.

We even know from the Bible that the dimensions of Noah's Ark were proportioned as 1:5:30, so that it is indeed proved that creating artistic forms, according to certain proportions of measure is as old as humanity itself.

We can, however, cite more examples. The Egyptian pyramid had the fixed proportion of 5:8, whilst even the caesura is found in some



pyramids as the proportion of half the base to the hypotenuse.

Dieulafoy shows like proportions in the Persian monuments, whilst, according to the latest investigations of Dr. Von Drach and Dehio, the arts of the Middle Ages was entirely based upon a system of triangles, known as the so-called "workshop secret." It is, indeed hardly conceivable that an art, whose very essence shows a geometrical character, should not have been created according to certain rules:

And, lastly, it is even probable that in the Renaissance itself such rules have been applied, because the architectural scheme of that art was borrowed from the Romans.

When, now, in accordance with the foregoing considerations, the advisability is urged to base modern architecture on the same rules, then the warning should at once be added, that knowledge of such a science does not make the artist. The artistic conception is not born of geometry, so that this latter can only be the means, and not the object. Inartistic persons can do nothing with this method

—artists everything—on condition, however, that they will be its masters, not its slaves. It is a weapon, which in the hands of children means a danger, in the hands of adults additional power.

The aforementioned investigations of mediaeval buildings have shown that the so-called "triangulation" has at the outset probably been used only for practical, and later also for aesthetical purposes.

It consisted of a system of equilateral triangles, applied as form for the disposition of plans for church buildings, whilst in its subsequent development, other triangles were also used.

Gradually the proportions of the elevation were also fixed according to this system: When, for instance, as is so often the case, the vertical proportions are not related in prime numbers—to those of the ground plan, it may be assumed with certainty that this results from the application of a geometrical system, as the relation of the height of an equilateral triangle to its base is an irrational number.

## Architectural Notes

It is probable that the greatest deterrent factor in the advancement of the United States in the direction of better design, in both public and private work, is the deep-rooted belief among the less educated people that good architecture is necessarily expensive, comments the "Western Architect." This is fostered by a section of the public press that assumes to reflect the general opinion of the people it serves. In public work this is the more potent as the plea of cost is used by politicians to aid them in securing votes by posing as public benefactors in the saving of public money. The one department of the United States Government that is internally wholly free from any influence other than the purpose which it serves is that of the supervising architect, under the treasury. Here the enormous expenditure,—much of it forced by needy politicians, though all of it necessary,—is carried out with attention to all detail of expenditure, conservation of requirements and singleness of purpose, that marks the best private corporation work. While the department thus designs and constructs, it does not,—could not,—know whether the building has been ordered in an unsuitable place, or is of an unwise proportion to the public needs, to help a political as-

pirant, or to fill an actual requirement. It is constantly open to attack of ignorant, or venal, or specious congressmen. Such an attack has recently been made upon the supervising architect's office, the Tarnsey Act, and the architectural profession represented by the institute, by a chairman of a committee on expenditures. Time was when such a proceeding was common. The supervising architect was appointed through the influence of a hustling congressman, as well as the appropriation secured that erected the building. Then, as John V. Farwell did in the case of the old Chicago post office, the congressman could enter the drafting room and order the alteration of a ceiling height because "it must be higher than that in the New York building." With the enlightenment, in regard to the necessity and propriety of a better public architecture, that came with the regime of James Knox Taylor, and largely through the influence of the American Institute of Architects, all this was changed. The Tarnsey Act (first outlined in a bill by Congressman Stocklager, of Indiana, in 1883, and passed during Secretary Carlisle's administration, and first placed in operation by his successor, Gage), was fought for through twenty years of Congresses before it was passed, to accom-

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plish the same result. Together the Supervising Architect and the architects selected through the Tarnsey Act competitions, have in two decades entirely changed the aspect of public architecture in the United States. As one office, even under the direction of the best architectural designer in the country, could not prevent a certain amount of sameness creeping into the designs when hundreds were turned out yearly, so the variety of study given the public building problem by the best architects in the United States, through the Tarnsey competitions, has given to the country, structure that mark the highest note in the gamut of public building architecture in the world. And this system and these architects, who have done so much for the advancement of the country in all that marks a people's advancement, are held up to criticism by a man from Indiana who prob-

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ably does not know a marble reredos from a concrete fence. This chairman does not even know that any architect practising in the United States is eligible to selection, for a Tarnsey Act Competition, it being only necessary to satisfy the Secretary of the Treasury and the Supervising Architect of his familiarity with important work. This selection naturally falls to members of the American Institute of Architects, as three-fourths at least of those who are thus qualified by education and practice belong to the institute. When Lyman J. Gage first placed the Tarnsey Act in operation he was supported by the leaders in American architectural practice, who served without compensation in order that the country would receive the benefit of its operation. The experts who judge these competitions are skilled and the prize is

awarded to the best design without knowledge of its author. While it would not be as disastrous now to annul the Tarnsey Act as in the days of Mullet, it would be a backward movement in the principles upon which it is based. The necessity for purity in design, economy, and stability in construction, and a relief from the always prevailing congestion in the government office, through the constantly increasing demands for buildings in growing communities, is just as strong as when the bill which brought relief and a betterment to public architectural design was passed in the days of Secretary Carlisle. The report of this obsequious committee also suggests the standardizing of public buildings, as though this had not been, in effect, done for years, as far as plan is concerned, and yet it never makes a comparison of cost with that of buildings erected when the supervising architect was appointed and discharged like any clerk, and materials were selected and work dictated by the congressman who obtained the appropriation.

\* \* \*

In an article on Mr. Walter Burley Griffin, the brilliant young Chicago architect who won the prize in the recent Australian competition, a writer in the "Western Architect" observes

In every line his project announces itself as being but the means to an end, with the future city as the goal. In every determination the eye of the designer is looking toward the future reality, and his success establishes his work as a work of architecture and not of painting. His solution gladly seizes every natural situation as it really exists, and makes use of it as it is. In the enormous area to be developed the amount of regrading that will

be required is practically nil. The arrangement of the parts of the plan, instead of being determined as spots in "monumental planning" are located with reference to the most accurate understanding of alive cities as they really are. Their transportation, play grounds, housing, health and public service problems as they have been studied and developed for ten years were known factors in Mr. Griffin's mind, and determined the plan adjustments with such scientific precision that the plan as it stands is practically as much alive as if it represented an existing city that had actually grown up under an enlightened democratic government.

It is interesting also to compare Mr. Griffin's plan with an ideal plan for a modern city which has been given forth within the month by Messrs. Carrere and Hastings, of New York. This eminent firm proposes an arrangement which provides among other things: that the streets in the ordinary residential districts upon which the dwellings face shall run principally east and west, this increasing the number of the north facing, sunless, dwellings by about a 100 per cent. One wonders if our fight against tuberculosis has made no greater impression than this.

They also provide that the working people shall be very completely and effectively shut off from the public parks by a zone of villas around each park. The absence of any suggestions for real playgrounds, the neglect of the opportunity presented by the river which in this ideal plan is allowed to cross the heart of the city, the ample provision for boulevards and the preferential locations for the dwellings of persons of independent means, all indicate the purely aristocratic conception of life upon which this plan is based. One cannot help a grim little smile however, at the arrangement which places the "financial district" rather more convenient to the city government than to the commercial and manufacturing districts whose interests it is supposed to serve. But such is our American habit of mind I fear. Our brothers in Australia should be congratulated if such habits of mind have not been formed. At any rate they have apparently been able to find the democratic spirit and to recognize it even if buried in city plans in the ratio of one to one hundred and twenty.

Mr. Griffin is one of the two or three younger men who have been thoroughly trained for the new movement in Architecture, and who have kept carefully and thoughtfully to the work in hand, refusing to be led aside by novelty, desire to be original, or by personal egotism. He has worked hard, and stuck uncompromisingly to his ideals in the face of repeated discouragements. He richly deserves this recognition of his abilities.

While it pays to think, it is thought in action that puts money in the bank.—Exchange.

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## Editorial Comment

Mayor Newton D. Baker, of Cleveland, O., made an address not long ago which while briefer than most addresses of the kind made up in a certain quotable quality all that it lacked upon the score of quantity.

"It is my ambition not that Cleveland should be a city of a million people but that it should be a city worthy of a million people," said Mayor Baker.

"We want a city of healthy, happy people, where good sanitation is provided; where public utilities give the highest measure of comfort and convenience at the lowest cost; where education is the best and homes and business places of the highest types.

"We do not say to-day that Athens had a large number of inhabitants.

"Its fame was built by the kind of people who lived there, the way they lived, and what they did.

"Many minds are busy trying to find fundamental causes for the disproportions that seem to exist in social relations.

"In trying to account for the high cost of living one analyst has said, 'The earth, from which our resources come, is "back-firing" on us; the natural resources of the world are the basis of all wealth are now beyond the reach of the ordinary person.'

"What is being done in Germany by the refinement of by-products is the most conspicuous instance of the utilization of waste and it is worthy of emulation. It is said that the Germans get ship-loads of waste material from England and sell it back to the English in glass bottles.

"Continental Europe shows this same wisdom when in the matter of fire protection, they get down to fundamentals.

"European laws governing such matters place the responsibility for a fire where it belongs and the culpable person is made to bear the expense of extinguishing the fire, and it is also required that he shall indemnify innocent persons who may have suffered through his carelessness in permitting conditions on his premises likely to result in fire. A fine may also be imposed as a reminder that the laws are meant to be obeyed.

"These salutary regulations have done much to promote good construction and the building laws are also quite mandatory in requirements that shall insure protection to life and property."

\* \* \*

By the way, Cleveland made a test recently of six different varieties of partitions with a view to determining how each would act under heat and water.

The committee in charge of the test was composed of Mr. L. H. Miller, an engineer of the Bethlehem Steel Company; Mr. John H. Nelson, professor of applied mechanics at Case School of Applied Science, and Mr.

William S. Lougee, a prominent architect of Cleveland and former inspector of buildings under the late Thomas L. Johnson when Mayor.

This committee, assisted by Mr. A. W. Zesiger, concrete engineer for the building department, early in May, had specimen partitions built into frames so constructed that they could be swung in against the open side of a huge concrete furnace in which heat would be generated by the use of heated and compressed oil.

Each of these panels was approximately 10 feet high and 8 feet wide, and to have a good understanding of the results of the test one must know something of the construction. The several panels or specimen partitions were built as follows:

Panel No. 1 was metal lath on wood studding; 24-gauge painted expanded metal lath stapled to 2x4-inch pine studs at 12-inch centers and plastered with a cement and lime plaster  $\frac{3}{4}$ -inch grounds, about  $5\frac{1}{2}$  inches over all.

Panel No. 2 was pine lath on wood studding at 16-inch centres, plastered with a patent gypsum plaster according to the specifications of the leading manufacturers on  $\frac{3}{4}$ -inch grounds.

Panel No. 3 was constructed by wiring painted 24-gauge expanded metal lath to  $\frac{3}{4}$ -inch steel channels spaced at 12-inch centers, plastered on both sides with lime and cement mixture, making a solid wall 2 inches thick.

Panel No. 4 was a stucco wall such as would be built with metal lath and cement plaster for the outside wall of a stucco house. The metal lath was fastened direct to the studding, then plastered and back-plastered between the studs, giving a thickness of  $1\frac{1}{2}$  inches.

This side, which corresponds to the outside of a house, was placed next to the fire, as it was desired to learn how far this kind of a house might prevent the spread of a conflagration through a residential district. On the outer side of the 2x4-inch pine studding, which would correspond to the inner side of the walls of a house, 24-gauge metal lath was fastened and plastered the same as Panel No. 1—metal lath on wood studding.

Panel No. 5 was made by wiring metal lath on both sides of a studding  $2\frac{1}{2}$  inches over all, built by fastening two  $\frac{3}{4}$ -inch steel channels together. The cement plaster was applied to both sides alike, the same as specified in Panel No. 1, with  $\frac{3}{4}$ -inch grounds, thus making a 4-inch hollow metal lath partition.

Panel No. 6 was  $\frac{3}{8}$ -inch plaster board nailed to 2x4-inch pine studding as specified by the leading manufacturers of plaster board. The plaster known as Imperial was put on  $\frac{3}{8}$ -inch grounds in three coats.

After about six weeks "set" of the partitions, a day was set for the test.



Panel No. 1 metal lath on wood studding, was fired for two hours. It took thirty minutes to bring the temperature up to 1700 degrees Fahrenheit and for the remaining hour and a half it ranged between 1700 and 2000 degrees, the maximum reached being 1912 degrees Fahrenheit. At the end of the two hours' fire the door was thrown back and water from the city hydrant directed against the hot panel through a 1½-inch nozzle within one minute after the door was opened.

Panel No. 2, wood lath on wood studding, was fired in the same way for two hours, reaching a maximum temperature of 1865 degrees, but before the first hour was up, it was observed that all but the outside shell of plaster was destroyed and that was gradually cracking and opening up, allowing the cold air to enter the chamber, with the result that it held together long enough to give it the two hours' fire. After the water had been thrown on it, there was nothing left of the material whatever. The committee seemed to be of the opinion that had the water been thrown on the hot wall at the end of the first hour, there would have been total destruction then.

Panel No. 3, metal lath on steel studding, 2-inch wall. This partition got the required heat of 1700 to 2000 degrees, reaching a maximum of 1929 degrees, and at the end of the two hours fire, water was thrown against it as on the other partitions, but with the exception of the washing off of an unappreciable quantity of the plaster that had recalcined under the intense heat, the partition had the appearance of being able to go through another such test successfully.

Panel No. 4, stucco wall built by fastening metal lath to wood studding. The mixture or the cement plaster used in this wall was particularly designed to prevent hair cracks and other imperfections to which stucco walls under alternating weather conditions, when not properly built, are subject, but it seemed to stand the abuse about as well if not better than Panel No. 1. This furnace was fired the full two hours, the highest temperature reached being 1943 degrees.

One of the tests showed the condition of the wall after "fire and water."

Panel No. 5—4-inch hollow metal lath—supposed to be the most efficient fire retardant on the light partitions—lived fully up to all expectations. It had full two hours' fire, reaching 1976 degrees at the highest.

Another test showed the metal lath slightly exposed on the inside of the wall, but unquestionably a similar test might well be repeated several time before the partition would be destroyed, as the outside of the wall has received no damage as yet and the fire side is good for quite a further time of service to protect the outside from heat.

Panel No. 6—Plaster board on wood studding. This partition had a total fire of 74 minutes at a maximum of 1562 degrees and then water was allowed to flow on it at low pressure to quench the fire in the partition and after that the full stream was turned on

for half a minute with the result—total destruction.

Mr. Allen is having the committee compile the data with the expectation that very shortly the full official report illustrated and in pamphlet form can be had for a small fee.

"Research of this character," observes "The Ohio Architect, Engineer and Builder," "so carefully carried out means much to all who are interested in building construction. In these times of particular study of all subjects pertaining to fire waste and its prevention, it would seem necessary that any cities having pride in their growth and the welfare of their citizens should follow up such educational work as this in all lines in

a way that will solve these problems. Too often the good salesmanship of the manufacturers and a mental inertia on the part of the one who says what shall be used, result in the acceptance of materials whose use is a menace to life and property.

The late E. H. Harriman said, "Facts—and the proof thereof—are what business men demand."

The United States Bureau of Standards has begun investigations to determine the physical properties of all building materials and it would seem proper that the state and city governments should freely spend money in a similar course, that they may determine for themselves what is safe to use.

## Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

\*\*A large mill is to be established by the Bowie Lumber Company on the Mississippi River in St. James, the three mills which it owns on the Southern Pacific to be dismantled. The company, which has mills at Bowie and Des Allemands, and at Ludivine, on the Lockport branch, recently purchased the plant of the J. C. Rives Cypress Lumber Company, of St. James, at a cost of \$1,000,000. These properties are owned principally by R. H. Downman, recently elected president of the Orleans Levee Board. The output of the three mills of the Bowie Lumber Company is so extensive that \$250,000 is paid annually as freight charges. The Bowie Lumber Company owns the 28-mile-long Bowie, Lafourche and Northwestern Railroad, which reaches its timber tracts. The St. James mill has a road twelve miles long, its southwestern terminus being within two or three miles of the Bowie road: They will be linked together, completing the chain of forty miles.

\*\*Mr. Tom P. Barnett, for many years associated with the firm of Barnett, Haynes & Barnett, of St. Louis, has recently severed his connection with that firm and has formed a partnership with Mr. F. E. Rixmann under the firm name of T. P. Barnett Architectural Company with offices in the Central National Bank Building, St. Louis. Mr. Barnett is well known to the profession throughout the United States and the best wishes of his friends are with him.

\*\*The will of D. H. Burnham, recently probated, divided an estate of \$1,300,000. This, in its entirety, was left to Mrs. Burnham and five children, except \$50,000, which was set apart for an architectural library for the use of draftsmen and architectural students. It

will be expended by the Art Institute of Chicago and for an important addition to the already large art library (the Ryerson) in that institution.

Since the death of Mr. Carrere and, later, Mr. Burnham, but one member, is left Mr. Brunner, on the Cleveland Plan Commission, the directors have appointed Frederick Law Olmstead to fill Mr. Burnham's place. This would have been in accordance with Mr. Burnham's wish and the securing of the position by Mr. Olmstead is fortunate for the future of the Cleveland Plan.

\*\*The Cook & Duncan Company, Ltd., has been incorporated, with a capital of \$60,000, to operate the lumber manufacturing plant at Meadowvale, Pa. The company is composed of H. C. Cook, of Johnstown; J. C. Duncan, of Windber, and D. L. Parsons, of Johnstown. It will manufacture and wholesale general lumber. The new plant at Meadowvale will have a capacity of 20,000 feet per day, and the company has completed a logging road into a tract of timber owned by it, comprising upward of 5,000,000 feet of hardwoods.

\*\*Charles William Eldridge, architect, 1227-29 Granite Building, Rochester, N. Y., announces that Mr. Veredon William Upham, 12 Syracuse University, has taken a position in his office as junior member of the firm and henceforth the firm will be known under the head of Eldridge & Upham.

\*\*The annual meeting and dinner of the Building Material Men's Association of Newark, N. J., and vicinity, comprising a large majority of the lumber and building material firms of that section, was held September 2, at 675 Broad street, Newark. The association



## Is that New Building Operation of Yours Nearing Completion?

**Are you ready to show possible purchasers what you have prepared for them in the way of modern conveniences? You are not ready if the houses have not been wired for Electricity—you cannot make quick sales now-a-days unless dwellings are electrically equipped.**



meets monthly, with an informal dinner and general discussion of trade topics, and has been a big factor in promoting general trade conditions in that section.

\*\*The firm of Downey & Denham, architects, has been dissolved. The business being continued by A. H. Downey, architect, 314-16 Van Antwerp Building, Mobile, Ala.

\*\*Hermann Wischmeyer has formed partnership with Mr. George Herbert Gray, with offices at 708 Louisville Trust Building, Louisville, Ky.

\*\*Robert W. Brownson, for merly for many years identified with the local office of the Hilton-Dodge Lumber Company, has formed a connection with the Virginia-Carolina Lumber Company, Lynchburg, Va., large manufacturers of hardwoods and yellow pine to represent them in the Metropolitan district and vicinity. The company will be ready for business on September 2, with office location at 1 Madison avenue, New York City. For the past fortnight Mr. Brownson has been at the Lynchburg headquarters of the company, making a tour of their mills and looking over the stock which they have for distribution.

\*\*The firm of Trunk & Heim, architects, of St. Joseph, Mo., has been dissolved and has been succeeded by the firm of Trunk & Gordan with offices at 22 Donnell Court, St. Joseph, Mo.

\*\*Karl D. Norris and L. Harry Warriner, architects, have formed a partnership with offices in the Calumet Building, East Chicago, Ind., and in the Neeland Building, Gary, Ind.

\*\*R. H. Downman, the large Cypress manufacturer of New Orleans, passed through New York last week enroute to the Massachusetts Coast, where his family is summering. Speaking of the cypress market, Mr. Downman expressed the opinion that the general market was in good shape; that there is not only an

improvement in demand and firmer prices, but every indication of a firm fall trade.

\*\*Pierce, Butler & Pierce Mfg. Company, Syracuse, N. Y., announces the removal of its Boston office and boiler and radiator show rooms to Federal and Franklin streets.

\*\*Utica Heater Company, Utica, N. Y., has elected Frank T. Bassett, Jr., as secretary of the company. Mr. Bassett was formerly eastern sales manager for the International Heater Company.

\*\*The Bush Terminal Company, of Brooklyn, through Vice-President J. A. Nash of the company, has made application for 2,500 feet of shore front property at the foot of East Forty-ninth street, Bayonne, N. J. It is reported that the company will erect a huge plant, much larger than the Brooklyn plant. The application has been received by Secretary John C. Payne, of the Riparian Commission in Jersey City, and will come up for consideration by the board at the next meeting in September.

\*\*C. A. Dunham Company, Marshalltown, Ia., manufacturers of the Dunham system of steam heating announces the appointment of Frederick D. B. Ingalls as its heating and ventilating engineer. Mr. Ingalls was formerly engaged in consulting engineering work in Syracuse.

\*\*Announcement is made that the "Engineering Review," of New York, published monthly in the interests of the heating, ventilating, plumbing, metal working and lighting trades, has been merged with the "Metal Worker," of New York. The change becomes effective with the October, 1912, issue. The "Metal Worker," which is a weekly publication, will increase the number of its reading pages, beginning with the issue of October 4, to include the field covered by "Engineering Review." E. A. Scott remains managing editor of the "Metal Worker;" Frank K. Chew, editor, and W. W. Macon, consulting editor.

\*\*Among the resolutions adopted at the recent annual convention of the National Association of Master Plumbers at Salt Lake City, Utah, was one regarding the separation of plumbing and heating contracts from other specifications in government work. The resolutions committee recommended that the president and secretary of each local association communicate with their respective Congressmen asking them to use their influence with the supervising architect and the constructing quartermasters of the army and navy departments with a view of bringing about such separation of contracts. The resolution was adopted by the convention.

Another resolution proposing a special committee to meet with a similar committee of the National Association of Master Steam and Hot Water Fitters for the discussion of matters of mutual interest was referred to the incoming executive board.

Philadelphia was chosen as the convention city of the association in 1913.

The newly-elected officers are as follows: President, Frank J. Fee, New York; vice-president, Chris. Irving, Denver, Colo.; treasurer, William McCoach, Philadelphia, Pa.;

for secretary the new president appointed Charles Murphy, New York.

\*\*The following building costs for a modern first-class office building are contained in a paper read by J. A. Strouss, of Knox, Strouss & Bragdon, Pittsburgh, before the Manufacturers' and Contractors' Club, of Pittsburgh. The total cost of the building, as will be seen, was \$1,270,421, divided as follows:

Wrecking .....	\$4,158	.33
Excavatin .....	47,990	3.79
Shoring .....	34,876	2.74
Steel work .....	156,563	12.33
Stone, cement and concrete...	95,525	7.52
Fireproofing .....	38,865	3.07
Brick work .....	56,222	4.44
Plastering .....	39,560	3.11
Painting .....	20,335	1.60
Mia work .....	86,100	6.77
Carpenter work .....	117,000	9.22
Terra cotta .....	40,000	3.15
Heatin .....	75,330	5.93
Elevators .....	106,200	8.36
Electric work .....	40,500	3.17
Sheet metal .....	21,840	1.72
Plumbing .....	51,520	4.06
Waterproofing .....	9,500	.75
Metal lathing .....	9,100	.71
Ornamental iron .....	75,900	5.98
Tile and marble .....	90,000	7.09
Weatherstripping .....	1,025	.08
Vaults .....	24,750	1.94
Hardware .....	1,500	.12
Vacuum systems .....	5,000	.36

\*\*A plan for putting American manufacturers of engineering supplies in touch with foreign buyers is being worked out on an extensive scale by the Commercial Bureau Company, 50 Church street, New York. This company has, for many years, maintained a manufacturers' library at its headquarters in New York, in which the manufacturers' catalogues were filed and sub-indexed for reference and which contained practically every trade journal in the country, the use of the library being free to manufacturers and buyers, both local and those visiting New York.

The company has been permitted by the State Department to undertake the same service for American manufacturers in all lines of industry, by distributing its carefully-briefed sets of card catalogues to the American consuls all over the world. This work is now being undertaken by the company's Foreign Commercial Bureau. In addition to sending out the original card catalogues, the bureau will send each month to the consular offices the new cards received from its subscribers. To place in the hands of the buyers the actual catalogue, branch offices of the bureau will be established in the principal cities of South America, Africa, Asia and Australia. The bureau estimates that, upon the completion of its system, it will be in a position to place the American manufacturer in direct touch with at least 10,000 buyers from all parts of the world.

**Are you a regular subscriber to "The Guide"?**



## THE WATER METER QUESTION

Frank E. Merrill, water commissioner at Somerville, Mass., has fifty-three per cent. of the taps in that city metered, and last year he set 728 meters, being 117 more than is required by the State law. He says: "The metering of the entire city is progressing under the provision of State legislation requiring all services to be equipped with water meters. As in past years the number installed in 1911 was somewhat in excess of that actually required for the year. Never before has there been recorded so low a rate of water consumption for the city as for the past year, the figure 74 indicating the gallons per capita used for all purposes, domestic, public and commercial. This rate is 6 gallons lower than that of the previous year, which was the lowest on record to that time. While the water income holds at substantially the same figures from year to year, it is to be noted that notwithstanding the increase in percentage of metered services from 48 to 53, and the natural tendency to decreased revenue on account of the low rates for metered water, the actual receipts from the sale of water last year were the largest in the history of the city waterworks. While the percentage of services metered has increased from 48 to 53, the percentage of receipts from metered water has increased from 55 to 59." The total number of meters in use is 6,533, of which 2,809 are Lambert, 1,940 Worthington disc, 581 King, 473 Trident, 288 Hersey disc, 178 Nash, 126 Columbia, Union 43, Keystone 24, Crown 21, Columbia 21, Empire 3, Hersey 7, Trident Crest 6, Trident Comp 4, Torrent 1, Gem 1. The following information regarding the use of meters is also given in the excellent report of Mr. Merrill for the year 1911:

By legislative action, to reduce water wastes and conserve the Metropolitan water supply, all buildings supplied with city water are required to have their service pipes equipped with meters. The water commissioner will designate particular sections of the city each year to which the provisions of the law shall apply, and a meter must be installed on each water service in the district so designated. Owners of property in other parts of the city than such designated districts may have meters installed in their premises by making application therefor on blanks provided for that purpose, which may be obtained at the office of the Water Department, City Hall. Such applications for meters must be made prior to the commencement of the water income year, which is January 1; if received later than that date they will be considered as for the following year. One meter for each service pipe entering the building will be furnished and be owned by the city; if additional meters are desired for tenements or stores, they must be paid for by the applicant. The cost of making all changes in piping and all renewals or additions, inside the building, that may be necessary to install the

meter in a proper manner and in accordance with the water department requirements, must be borne by the property owner. The city does this work practically at cost; the charge varies, however, with the condition of the pipes and fittings found at the time of installation, but is usually less than \$5. The owner may, if he so desires, employ his plumber to do this work, which must conform in all respects to the requirements of the water department. Notice of such intention should be given to the water commissioner, otherwise the city will proceed with the work at the expense of the owner. If, for any purpose, a large meter is desired on premises where the quarterly water consumption is small, a rental for the meter will be charged in addition to the water rate. Meters are set, whenever at all practicable, at the point of entrance of the service pipe into the building, at or near the house stop-cock, care being taken that all branches of the house plumbing lead from the service pipe on the house side of the meter. In buildings under construction a meter connection is furnished the contractor to set in the pipe line until the house is occupied, when it is removed and a meter installed by the city. In many cases, on account of unfavorable conditions where the service enters the house, or from the location of the house or service pipe, it is necessary to set the meter outside the house, generally in the sidewalk; the average cost to the property owner of such installation is about \$15.

The rate for metered water is twelve cents per 100 cubic feet (equivalent to sixteen cents per 1,000 gallons); the water charge, however, will not be less than \$1.50 each quarter. For this minimum quarterly charge there may be used during the quarter 1,250 cubic feet of water, equivalent to 9,375 gallons, an average of 103 gallons daily. If in any quarter the consumption is greater than this, the total quantity used will be charged at 12 cents per 100 cubic feet, irrespective of the quantity that may have been used in any previous quarter, or of the amount that may have been paid therefor. After a meter has been installed it will not be removed for the purpose of rating the premises on any other basis of water charges.

As a result of experiments the amount of water that might be wasted through defective plumbing, under average pressure, and its cost to the rate-payer, has been found to be as follows:

Size of stream.	Waste per day.	Cost per month.
1/2-in. ....	45,600 gals.	\$226.18
1/4-in. ....	12,360 gals.	61.30
1/8-in. ....	3,360 gals.	16.67
1-16-in. ....	900 gals.	4.46
1-32-in. ....	240 gals.	1.19

A hole one-thirty-second of an inch in diameter is so small that an ordinary pin will completely fill it; yet in a quarter it will

waste a quantity of water, if running constantly, that costs \$3.57.

The greatest number of leaks occur in water closet tanks through imperfect seating of the ball cock. A stream of water one-sixteenth-inch in size may easily escape through a slightly defective ball cock, causing a waste of water amounting in value to \$13.38 per quarter.

If a hissing or roaring noise is continually heard in the water pipes, it is evidence of a leak, and by listening with the ear pressed closely against the pipe or faucet, a very small leak may be discovered by its sound. Close the house stop-cock in the cellar, and if the sound still continues notify the water department, as the trouble is probably outside the house; if it stops, the leak is inside, and a plumber should be called.

See that water is not being drawn in the house, then watch the hand on the "one foot" dial of the meter; if it revolves, however slowly, it shows that water is escaping through the pipes or fixtures in the house; if this hand remains stationary, no flow of water is being registered.

In commercial practise one cubic foot of water equals seven and one-half U. S. gallons and weighs sixty-two and one-half pounds, or eight and one-third pounds per gallon, and meters are calibrated on that basis.

An ordinary house meter is tested by weighing ten feet of water, as indicated by the register, passing through the meter in a stream five-eighths inch or one-half inch in diameter; five feet in a one-fourth-inch stream, and one foot in a one-eighth-inch stream.

A meter that registers within three per cent. of the proper weight of those quantities of water is considered sufficiently accurate; the variations, however, usually show a much lower percentage of error.

Meters are also expected to operate on and register flows as small as one-thirty-second inch in diameter.

A meter is said to "over-register" when it registers more water than is delivered by it to the consumer; and to "under-register" when it registers a smaller quantity than it should.

Inaccurate registration is easily corrected by changing the driving gear of the register train.

It is impossible for a water meter to operate unless the water passes through it; the flow of the water causes the piston to move and the meter to register. It is rarely that a meter runs too fast and registers more water than is used; it may become obstructed so that it runs too slowly, but this is in favor of the consumer, as more water passes through the meter than is registered.

### THERE'S ONLY ONE WAY.

A man may guy,  
And a man may lie,  
And a man may puff and blow;  
But he can't get trade by sitting in the shade,  
Waiting for business to grow.



### RECENT TRADE LITERATURE.

"J-M Power Expert" for August, 1912, published by the Cleveland branch of the H. W. Johns-Manville Company, contains an illustrated description of the Audiffren-Singrun refrigerating machine which is being marketed by the H. W. Johns-Manville Company. The machine, which is especially designed for use in residences, hotels, clubs, etc., operates on the compression system, using sulphur dioxide as the refrigerating plant. Sulphur dioxide can be condensed or liquified at low pressure; hence there is little likelihood of leaky connections. Moreover, this gas is not poisonous and is dangerous only if allowed to escape into a confined space where it might vitiate the air necessary for breathing.

\* \* \*

"A Typical Large Installation of Chamberlin Metal Weather Strip," published by the Chamberlin Metal Weather Strip Company, Detroit, Mich., describes the equipment of sixteen principal buildings of the University of Michigan, at Ann Arbor, Mich., with this type of weather stripping. The circular goes on to state that as a result of the installation it was found possible, in connection with two of the buildings that were inadequately heated, to give up a plan that had almost been adopted of providing auxiliary heat from outside sources.

\* \* \*

"Modern Store Front Illumination" is the title of an attractive little booklet devoted to Frink Reflectors and Lighting Specialties. Many new designs of reflectors are shown in this catalogue for general purposes such as store illumination, show window and show case lighting and special store lighting. A very complete description of each feature is given in the catalogue.

\* \* \*

"Heating Efficiency That Speaks for Itself" is a circular descriptive of the "largest single pipe (without air line) low pressure steam heating apparatus in the world, containing over 70,000 square feet of radiating surface and twelve miles of steam pipes." The system was designed and installed by the Raisler Heating Company, New York, in the Riviera Building, at One Hundred and Fifty-sixth and One Hundred and Fifty-seventh street and Riverside Drive, New York. Additional figures for this building are that 1,200 American Peerless radiators are installed while the boiler equipment consists of 600 horse-power Star water tube boilers.

\* \* \*

A rather striking bit of advertising literature is that just issued by the Barrett Manufacturing Company, entitled "A Mile of Barrett Specification Roofs." As evidence of this a large view is given showing the Bush Terminal Buildings of Brooklyn, all of which are covered with Barrett Specification Roofs, to testify that the Bush Terminal Company is using this roofing because it has proven itself to be the best and cheapest.

"This is the House That Professor Jones, of Yale, Built" is a clever circular issued by the Vapor-Vacuum Heating Company, Philadelphia, Pa., showing the heating layout for this itself, as equipped with the Kriebel system of vapor-vacuum heating. Included in the circular is a letter from the owner expressing his satisfaction with the system after a year's trial.

### MODERN SANITARY SAFEGUARDS

Modern sanitary safeguards are becoming well known to the general public. The bubbling water faucet is a familiar sight: Sanitary drinking cups are in wide use. The people have been fairly surfeited with suggestions and admonitions for the care of their health. No reader of current literature can longer claim that he does not know the meaning of fresh air or the importance of maintaining an adequate supply of it in his office and home. The danger is now rather that constant repetition will tend to dull the interest and that continual watchfulness will become wearisome. The fact is that the best of modern safeguards will not be permanently accepted until the public has thoroughly adapted itself to sanitary ways of living.

In the field of ventilation, the work has been well commenced by pointing out, in plain terms, the dangers of bad air, and other sources of menace to health. This may well be said to be the first period of the nationwide campaign of education in sanitary knowledge. We believe we are on the threshold of the second step, involving the enforcement of sanitary measures by men especially chosen for that purpose. The establishment, for instance, of a ventilation inspection bureau in connection with the Chicago Board of Health is one of the first moves in this direction. The passage of State ventilation laws might be given first place, but we are referring here to the enforcement, rather than to the enactment, of such laws.

A proposal lately advanced by a committee on heating and ventilation of the Canadian Society of Sanitary and Heating Engineers is to the effect that "an expert heating and ventilating engineer should be made a member of the Provincial Board of Health in every Province." This is equivalent to advocating in this country a heating and ventilating engineer for every State health board. In this and similar ways the people will be obliged to take cognizance of the provisions that are being established for their better health and comfort and, we may hope, will eventually become so accustomed to them that the third and last period may be reached when the demand for compulsory ventilation will be fulfilled as a matter of course.

Compulsory ventilation through local inspection and supervision may not be the ultimate practice in maintaining the fresh air movement, but at present it is obviously the most effective method that could be devised in maintaining the now thoroughly-aroused in-

terest of the people in the matter of fresh air:—"The Heating and Ventilating Magazine."

### THE BUILDERS' GUIDE

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## PATENTS

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### REAL ESTATE TRANSFERS.

Summary for week ending September 14, 1912:

Number of transfers .....	538
Amount of transfers .....	\$927,297.72
Cash consideration .....	317,647.72
Mortgage consideration .....	609,650.00
Ground rent consideration .....	8,018.50
Which on a 6 per cent. basis amounts to .....	133,641.70



# Reference Directory for Architects, Builders and Owners

## Artesian Wells.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.

## Artists' and Architects' Supplies.

F. Weber & Co., 1125 Chestnut st., Phila.

## Architectural Iron and Metal Work.

John L. Gaumer Co.,  
22d and Wood sts., Phila.

## Awnings

Bernard McCurdy,  
N. E. Cor. 9th and Arch sts., Phila.

## Brick (Face, Etc.)

O. W. Ketcham, Builders' Exchange, Phila.

## Brick Renovating.

Adolph Christensen,  
1433 Brown st., Phila.

## Blue Prints

Blue Print Co., 1516 Chestnut Street, Phila.

## Boilers and Radiators.

Isaac A. Sheppard & Co.,  
Erie ave. and Sepviva st., Phila.

## Brass and Bronze Work.

John L. Gaumer Co.,  
22d and Wood sts., Phila.

## Builders.

Mitchell Bros., 2125 Race St., Phila.  
Pomeroy Const. Co., 1609 Ranstead st., Phila.

## Builders' and Contractors' Machinery.

Henry T. Peirce, Bulletin Bldg., Phila.

## Canvas Roofing.

The Franklin Paper Co.,  
718 Cherry st., Phila.

## Cement.

Samuel H. French & Co.,  
4th and Callowhill sts., Phila.  
Chas. Warner Co., Land Title Bldg., Phila.  
Knickerbocker Lime Co.,  
266 N. 24th St., Phila.

## Cement and Asphalt Paving.

Wm. Krause, 1621 N. 5th St., Phila.

## Cement Colors.

Samuel H. French & Co.,  
4th and Callowhill sts., Phila.

## Cold Water Painting.

William B. Southern,  
N. W. Cor. 12th and Spruce sts., Phila.

## Concrete Engineer.

Conklin Engineering Co.,  
Heed Building, Phila.

## Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,  
10th and Chestnut Sts.

## Elevator (Lubricators.)

American Engr. & Mfg. Co.,  
Real Estate Trust Bldg., Phila.

## Engraving, Photo and Line.

Chestnut Street Engraving Co.,  
7th and Chestnut sts., Phila.

## Fire Protection Equipment.

Jas. Boyd & Bros.,  
25th and Wharton sts., Phila.

## Flag Poles (wood and steel).

Bernard McCurdy,  
N. E. cor. 9th and Arch sts., Phila.

## Floors and Floor Finishing.

Andrew Pinkerton, 3034 W. York st., Phila.  
Fritz & La Rue,  
4800 Parkside ave., Phila.

## Furnishers and Decorators.

Duncan & Duncan, Inc.,  
1724 Chestnut st., Phila.

## Furnaces and Ranges.

Bartlett & Co., 1938 Market st., Phila.  
Henry M. Miller, 40 N. 2nd st., Phila.  
Isaac A. Sheppard & Co.,  
Erie Ave. and Sepviva St., Phila.

## Gas and Gas Appliances.

United Gas Improvement Co.,  
Broad and Arch sts., Phila.

## Graphite Paint.

Jos. Dixon Crucible Co.,  
1020 Arch st., Phila.

## Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

## Heating (Warm Air.)

Makin Heating Co., 6 N. 18th St., Phila.

## Iron Work (Structural and Ornamental).

W. E. Wark & Co., 1737 Filbert st., Phila.

## Lighting Fixtures.

Logue-Stronge Mfg. Co.,  
435-37 N. Broad st., Phila.

## Metal Furniture.

Edward Darby & Sons Co.,  
233 Arch St., Phila.

## Metal Tile.

American Perfectile Co.,  
1526 Sansom St., Phila.

## Marble Mosaic.

Belfi Bros. & Co.,  
20-22 S. 19th st., Phila.

## Metal Doors and Trim.

R. R. Hammond & Co.,  
Land Title Bldg., Phila.

## Mill Work.

Frank C. Snedaker & Co.,  
9th and Tioga sts., Phila.

## Mortar Colors.

Samuel H. French & Co.,  
4th and Callowhill sts., Phila.

## Mouldings (room and picture).

B. B. Funston, Inc. 146 N. 10th st., Phila.

## Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th St., Phila.  
Samuel H. French & Co.,  
4th and Callowhill sts., Phila.  
Pyramid Paint Co., 131 N. 22nd st., Phila.  
E. E. Nice 272 S. 2nd St., Phila.  
Jos. Dixon Crucible Co., 1020 Arch st., Phila.

## Parquetry Floors.

Andrew Pinkerton, 3034 W. York st., Phila.

Strawbridge & Clothier,  
8th and Market Sts., Phila.

Masters Patent Floor Co.,  
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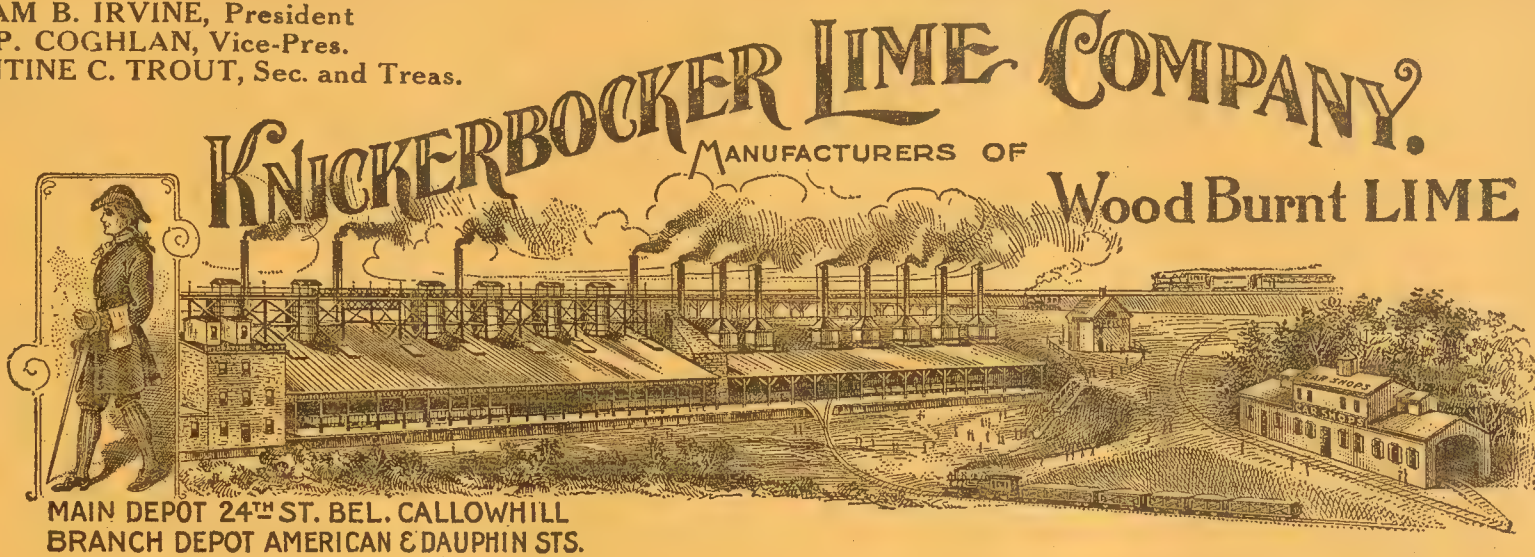
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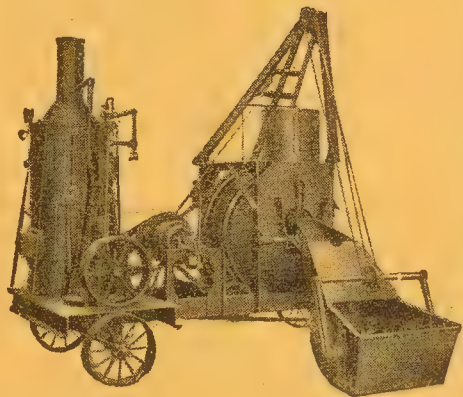
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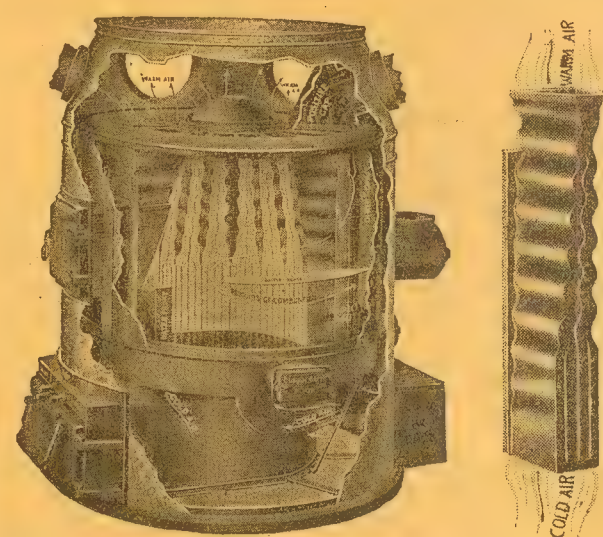
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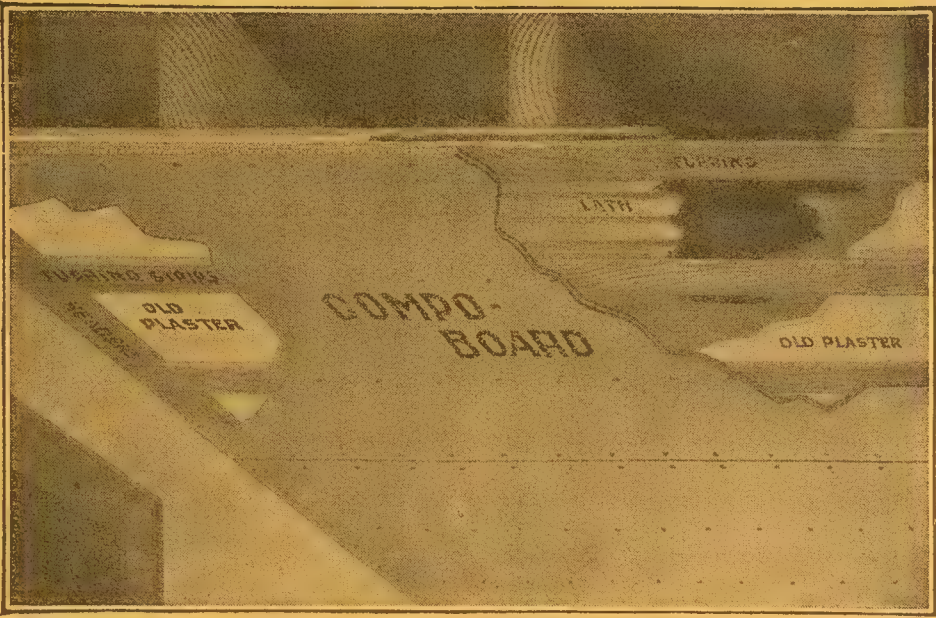
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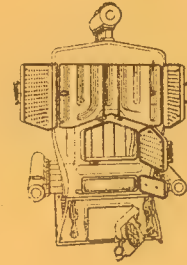
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THE PHILADELPHIA REAL ESTATE RECORD AND

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OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXVII., No. 39.

PHILADELPHIA, WEDNESDAY, SEPTEMBER 25, 1912.

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**Store Building**, Southwest corner Sixth and Green streets. Architects, Medoff & Son, 524 Walnut street. Owner, Mrs. Rose Sperling, on premises. Brick, three stories, electric light, slag roof, hot air heat. Owners taking bids. The following are figuring: M. J. Lazaroff, 1418 South Sixth street; Samuel Schultz, 920 Moyamensing avenue; Jacob Gorchov, 317 Reed street; F. Quate, 1323 Snyder avenue; Louis Cohen, 417 Christian street.

**Stable**, American and Wood streets. Architects, Medoff & Son, 524 Walnut street. Owner, Joseph Benjamin, 323 North American street. Brick, three stories, 28x34 feet, slag roof, electric light. Owner taking bids. The following are figuring: M. J. Lazaroff, 1418 South Sixth street; Samuel Schultz, 920 Moyamensing avenue; Jacob Gorchov, 317 Reed street; Fred Quate, 1323 Snyder avenue; Louis Cohen, 417 Christian street.

**Battery House**, Thirty-second and Powelton avenue. Architect's private plans. Owners, Pennsylvania Railroad Company, Broad St. Station. Brick, one story, 30x149 feet, slag roof. Owners taking bids due September 25. The following are figuring: Roydhouse-Arey Company, Fidelity Building; F. Roe Searing, Perry Building.

**Bungalow**, Stone Harbor, N. J. Architects, Stearns & Castor, Stephen Girard Building. Owner, Charles McDonald, care of architect. Frame, one and one-half stories, containing twelve rooms. Plans in progress.

**Residences (6)**, Woodbine, N. J. Architects, Stearns & Castor, Stephen Girard Building. Owners, Baron De Hirsch School, Woodbine, N. J. Frame, two stories, slate roof. Plans in progress.

**Rectory**, Twenty-eighth and Diamond sts. Architects, Ballinger & Perrot, 1211 Arch st. Owners, Church of the Most Precious Blood, care of Rev. J. K. J. Kirlin, on premises. Stone, three stories, slate roof, electric light, steam heat. Architects taking bids due September 25. W. J. McShain, 631 North Seventeenth street, is figuring.

**Store (alt. and add.)**, 36 North Ninth street. Architects, Anderson & Haupt, Drexel Building. Owner, Solomon Pintzuk, 21 North Ninth street. Brick and steel, electric light, steam heat, elevators. Owners taking bids due September 21. T. J. Carberry, 51 North Hutchinson street, is figuring.

**Shop**, Midvale, Pa. Architect's private plans. Owners, Midvale Steel Works, on premises.

Brick, two stories, 45x128 feet, slag roof (heat and light reserved). Owners have received bids.

**Building (alt. and add.)**, 1004 Race street. Architects, Ballinger & Perrot, 1211 Arch st. Owners, George Miller & Sons, on premises. Brick, electric light, slag roof, steam heat. Architects have received revised bids.

**Residence and Garage**, Merion, Pa. Cost, \$10,000. Architect, Charles Barton Keen, Bailey Building. Owner, Van Court Carwith-in, Mariner and Merchants Building. Stone, two and one-half stories, 55x30 feet, tile roof, hot water heat, electric light, hardwood floors. Architect taking bids due September 27. The following are figuring: E. J. Kreitzburg, 1345 Arch street; M. W. Young, Overbrook, Pa.; A. L. Fretz & Sons, 1222 Chancellor street; Bowers & Logan, 2010 Chancellor street; Geo. L. Croll, Rosemont, Pa.; Charles C. Pace, 1716 Sansom street.

**Pumping Station**, Margate City, N. J. Architect, W. S. Hewitt, Bartlett Building, Atlantic City, N. J. Owner, City of Margate, N. J. Brick and steel, one story, 40x54 feet, slate roof, electric light. Architect has received bids.

**Factory (add.)**, 462 North Ninth street. Architect, Carl P. Berger, 1416 South Penn Square. Owners, Hellwig Silk Dyeing Company on premises. Brick, three stories, tin and slag roof, electric light. Architect has received bids.

**Laboratory**, Washington, D. C. Architect, Wood, Dunn & Deming, Washington, D. C. Owners, United States Government, Washington, D. C. Stone and brick, one story, 32x36 feet, slag roof, electric light. Owners taking bids. J. E. & A. L. Pennoek, Land Title Building are figuring.

**Hospital**, Philadelphia. Architect, C. B. Zilenziger, City Hall. Owners, Philadelphia County Prison, care of Chairman J. W. Hutchins, Broad and Walnut streets. Frame, one story, 33x22 feet, slate roof, electric light. Owners taking bids due September 27. The following are figuring: William R. Dougherty, 1609 Sansom street; H. E. Batton, Tenth and Sansom street.

**Warehouse and Office Building**, Camden, N. J. Architect's private plans. Owners, Armstrong Cork Company, Camden, N. J. Brick and concrete, four and five stories, 163x320 feet, slag roof, electric light, steam heat, elevators. Owners have received bids.

**Residence (remodeling)**, Glenside, Pa. Architect, Frank Seeburger, Pennsylvania Building. Owner, Frank X. Renninger, 149 South Broad street. Stone and timber, two and one-half stories, shingle roof, hot water heat. Plans in progress.

**Apartment House**, Atlantic City, N. J. Architect, Frank Seeburger, Pennsylvania Building. Owner, John Stafford, 1114 Chestnut street. Brick, three and four stories, 50x241 feet, composition roof, steam heating, hardwood floors. Plans in progress. Owner will sub-let all contracts.

**Residence (alt. and add.)**, South Ashfield, Mass. Architects, Mellor & Meigs, Lafayette Building. Owner, Dr. Francis V. Murray, 32 West Thirty-ninth street, New York City. Frame, two and one-half stories, 200x50 feet, four bath rooms, billiard room, etc. Plans in progress. Architects will take bids in one week.

**Residence and Garage**, Morris and Pacific avenues, Atlantic City. Cost, \$30,000. Architect, Frank Seeburger, Pennsylvania Building. Owner, J. D. C. Henderson, 4522 Spruce street, Philadelphia. Brick, limestone and marble, four stories, 40x71 feet, electric light, hot water heat, slate roof, hardwood floors, hot water heater. Architect taking bids due September 26. The following are figuring: John E. Kearney, 327 North Sixth-third st.; John W. Emery, 1524 Sansom street; Metzger & Wells, Heed Building; Milton W. Young, Overbrook, Pa.; W. S. Higbee and Hampton Bros. & Co., both of Atlantic City, N. J.

**Footway Tunnel**, Meadowbrook, Pa. Architect, W. Hunter, Twelfth and Market streets. Owners, Philadelphia and Reading Railroad Company, Reading Terminal. Brick and concrete. Owners taking bids due September 25. The following are figuring: E. L. Seeds, 6314 Wissahickon avenue; J. W. Emery, 1524 Sansom street; F. L. Hoover & Sons, Builders' Exchange.

**Residence**, 2003 De Lancey street. Architects, Stewartson & Page, 420 Walnut street. Owner, George L. Harrison, Jr. Brick, four stories, tin roof, electric light, hot air and hot water heat. Architects taking bids due September 25. The following are figuring: F. E. Wallace, 1210 Sansom street; J. S. Cornell & Sons, Land Title Building; William R. Dougherty, 1608 Sansom street; Stacey Reeves & Sons, 1609 Filbert street; J. B. Flounders & Co., 1329 Arch street.



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Garage, Wayne avenue and Hortter street. Architects, Duhring, Okie & Zeighler, Bailey Building. Owner, Franklin Baker, Jr., on premises. Plaster, one story, 22x31 feet, shingle roof, electric light. Architect taking bids due September 25. F. B. Davis, 35 South Seventeenth street, is figuring.

Residence, Rosemont, Pa. Architects, Harris & Richards, Drexel Building. Owner, Charles Sim, Rosemont, Pa. Stone and plaster, two and one-half stories, 30x50 feet, electric light, shingle roof, hardwood floors, hot water heat. Architects taking bids due September 30. The following are figuring: F. B. Davis, 35 South Seventeenth street; H. H. Burrell, 1204 Chancellor street; George & Borst, 277 South Eleventh street; Gray Bros., Rosemont, Pa.; Worrell & Waters, Llanerch, Pa.; George L. Croll, Rosemont, Pa.

New Nursery and Addition to Home, Fifth and Bainbridge streets. Architects, Magaziner & Potter, 137 South Fifth street. Owners, The Young Women's Union, on premises. Brick, granite, limestone trimmings, four stories, 50x73 feet, electric light, tile roof (heat reserved). Architects taking revised bids due September 25. The following are figuring: H. E. Grau Company, 1709 Sansom street; Sax & Abbott, Hale Building; Charles McCaul Company, Tenth and Sansom streets; Irwin & Leighton, 126 North Twelfth street; John Connor, 2848 Frankford avenue.

Garage, Trenton avenue and Westmoreland street. Architect, R. E. White, Pennsylvania Building. Owners, Owen Letters & Son, on premises. Brick, one story, 50x90 feet, slag roof, electric light. Revised plans in progress.

Bungalow, Town Point, Md. Architects, Stearns & Castor, Stephen Girard Building. Owner's name withheld. Stone and shingle, two and one-half stories, 50x65 feet. Steam heat, electric light, shingle roof, hardwood floors. Architects taking bids, due September 28th. The following are figuring: George & Borst, 277 South Eleventh street.

Residence, Moreland avenue and Navahoe street, Germantown. Architects, Harris & Richards, Drexel Building. Owner, Henry L. Davies, Jr., Germantown. Stone, two and one-half stories, 37x70 feet. Electric light, slate roof. Plans in progress.

Boiler House (add.), Glen Mills, Pa. Architect, private plans. Owners, Glen Mills Paper Company, Stephen Girard Building. Brick, one story, slag roof. Owners taking bids, due September 26th. The following are figuring: Macold & Riddell, Stephen Girard Building; J. B. Flounders, 1329 Arch street.

Cow Barn and add. to Dining Room, Byberry Farms, Pa. Architect, P. H. Johnson, Land Title Building. Owners, City of Philadelphia, care of Dr. J. S. Neff, City Hall. Stone and frame, one story, 39x120 feet. Asbestos shingle roof; dining room, brick, one story, slate roof, electric light. Owners taking bids, due September 24th at 12 o'clock. The following are figuring: J. W. Emery, 1524 Sansom street; Sax & Abbott, Hale Building; Burd P. Evans Co., Thirteenth and Wallace streets; J. G. Doak & Co., Crozer Building; G. W. Stewart, 2123 Germantown avenue; Wayne Contracting Co., 1214 Filbert street; W. E. Dotts, 148 North Second street; Joseph Bird Company, 213 North Eleventh street; M. P. Wells, Witherspoon Building.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Armory, Camden, N. J. Architect, Department of Correction and Charities, Trenton, N. J., care of F. H. Bent. Owners, State of New Jersey (Battery, National Guards). Brick, two stories, 198x200 feet, slag roof, electric light, steam heat. Contract awarded to Metzger & Wells, Heed Building.

Residence, Ardmore, Pa. Cost, \$8,000. Architect, Frank Seeburger, Pennsylvania Building. Owner, John M. Keim, 923 Chestnut street. Stone and plaster, two and one-half stories, 38x45 feet, two bathrooms, hot water heat, oak floors. Contract awarded to Mowrer Bros., Merion, Pa.

Store (alt. and add.), Southeast corner Fifty-third and Market streets. Cost, \$3,200. Architect's private plans. Owner, Ed. Calby, on premises. Brick, two stories, hot water heat, electric light. Contract awarded to A. Whitehead, 1624 Latimer street.

Boat House, Ventnor, N. J. Architects, Sauer & Hahn, 1112 Chestnut street. Owner, William F. Metzger, 629 Market street. Plaster and hollow tile, two stories, 30x44 feet, tile, slag roof, electric light. Contract awarded to M. W. Young, Overbrook, Pa.

Club House (alt. and add.), 1517 Sansom street. Architect, Bart Tourison, Land Title Building. Owners, Cornell Club, 28 South Mole street. Interior alterations and additions, electric light, steam heat. Contract awarded to Bowers & Logan, 2010 Chancellor street.

Factory, South Richmond, Va. Architect, A. F. Hunt, Richmond, Va. Owners, Southern Mfg. Company, on premises. Brick and reinforced concrete, two stories, 90x270 feet, slag roof (heat and electric light reserved). Contract awarded to W. T. Nuckols, Richmond, Va.

Residence, Chestnut Hill, Pa. Cost, \$21,000. Architects, Broekie & Hastings, 1713 Sansom street. Owner, William H. Trotter, 36 North Front street. Stone, three stories, 97x40 feet, shingle roof, hot air heating, electric lighting, hardwood floors. Contract awarded to Samuel Harting, 20 East Johnson street.

Valve House (add.), Germantown, Pa. Architect's private plans. Owners, United Gas Improvement Company, Broad and Arch sts. Plaster, one story, slate roof. Contract awarded



1902

# LOGUE-STRONGE MFG. CO. LIGHTING FIXTURES

1912

Telephone: DESIGNS AND ESTIMATES FURNISHED

Bell, Poplar 23-93

Keystone, Race 25-70

435-37 N. BROAD ST., PHILA.

## Alterations and Additions

ed to F. B. Davis, 35 South Seventeenth street.

**Apartment House**, Atlantic City, N. J. Architect, S. G. Dobbin, 1318 Atlantic avenue, Atlantic City. Owner, Samuel F. Nixon, on premises. Brick and plaster, three stories, 60x72 feet, slag and tile roof, electric light, hot water heat. Contract awarded to J. W. Emery, 1524 Sansom street.

**Buildings, F, G, H**, Byberry Farms, Pa. Cost, \$213,000. Architect, P. H. Johnson, Land Title Building. Owners, City of Philadelphia, care of Dr. J. S. Neff, City Hall. Brick, stone and steel, fireproof, two stories, slate and slag roof, electric lighting, steam heating. Contract awarded to M. P. Wells, Witherspoon Building.

**Store**, Eleventh and Commerce streets. Architects, Stearns & Castor, Stephen Girard Building. Owners, Berg Bros., 1005 Market street. Brick, terra cotta, granite, fireproof, eight stories, 78x92 feet, elevator, slag roof (heat and light reserved). Contract awarded to Cramp & Co., Denckla Building.

**Residence (alt. and add.)**, 2256 North Broad street. Architects Sauer & Hahn, 1112 Chestnut street. Owner, Charles Livingston, Eighth and Federal streets. Brick, three stories, slag roof, electric light, steam heat, hardwood floors. Contract awarded to Smith-Hardican Company, 1606 Cherry street.

**Bank**, Beverly, N. J. Architects, Stroet & Brown, Beverly, N. J. Owner, First National Bank of Beverly, N. J. Plaster, one story, 50x50 feet, tin roof, electric light, hot water heat. Contract awarded to J. L. Kolster, Beverly, N. J.

**Moving Picture Parlor**, 3323 Chestnut street. Cost, \$10,000. Architects, Anderson & Haupt, Drexel Building. Owners, M. A. Benn, 5820 Springfield avenue. Brick, one story, 20x60 feet. steam heat, electric light, slag roof. Contract awarded to Jacob Rose & Sons, 5107 Parrish street.

**Church**, Bethlehem, Pa. Architects, Chas. Bolton & Sons, Witherspoon Building. Owners, First Presbyterian Church, on premises. Brick and terra cotta, one story, 70x75 feet,

hot water heat, slate roof, electric light. Contract awarded to R. S. Rathburn, Allentown, Pa.

**Club House**, 1324 and 26 Melon street, \$6,000. Architect, William Broadhead, 1151 East Cheltenham avenue. Owners, Operative Plasterers' Mutual Protective Union, care of architect. Brick, two stories, 32x55 feet. Slag roof, electric light (heat reserved). Contract awarded to George & Borst, 277 South Eleventh street.

**Residences (2)**, Jackson and Newton avenues, Atlantic City, N. J. Architects, Druckenmiller, Stackhouse & Williams, Land Title Building. Owner's name withheld. Plaster, two and one-half stories, 43x80 feet. Hot water heat, electric light, slate roof, hardwood floors. Contract for House No. 1 awarded to W. S. Higbee, Atlantic City, N. J.

**Stores and Garage**, 1424 to 30 Vine street, \$11,000. Architect, private plans. Owners, Dennis Conway Estate, care of Ed. Lutz, 240 North Seventeenth street. Brick, two stories, 82x96 feet. Steam heat, electric light, slag roof. Contract awarded to Joseph Bird Company, 213 North Eleventh street.

**Root Cellar and Tool House**, Oreland, Pa. Architects, Stewartson & Page, 320 Walnut street. Owner, A. C. Harrison, Oreland, Pa. Plaster, one story, 20x32 feet. Shingle roof, electric light. Contract awarded to J. B. Flounders, 1329 Arch street.

**Forge Shop**, 2048 Bread street. Architects, Ballinger & Perrot, 1211 Arch street. Owners, J. J. Pfeifer & Co., 222 Race street. Brick, two stories, slag roof, electric light, 26x72 feet. Contract awarded to H. E. Baton, Tenth and Sansom streets.

The most valuable asset in any business undertaken is brains. A necessary asset is money. Opportunities come to us all, but are not always grasped when they knock at our door. The big opportunities come and remain with the man who can combine an investment of money, however small, with a large investment of brains.—Exchange.

## Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

**Binder & Cole (O)**, 3541 North Ella street. Charles Townsend (C), 5512 Fairhill street. Cost, \$5,000. Two dwellings, brick, two stories, 16x47 feet, Mascher and Clarkson streets.

**David McKibbin (O)**, 2900 Frankford avenue. Cost, \$14,000. Ten dwellings, brick, two stories, 14x23 feet. Thompson and Somerset streets.

**Abramowitz (O)**, 664 North Eleventh street. Cost, \$25,000. Hall, brick, two stories, 60x40 feet, 711 Snyder avenue. Cost, \$6,000. Two dwellings, brick, three stories, 15x45 feet, 717-19 Snyder avenue.

**Martin Maloney (O)**, 5900 Osage avenue. Cost, \$25,000. Apartment House, Brick, three

stories, 40x150 feet, Fifty-ninth and Spruce streets.

**John Morrow (O)**, Oak Lane. Cost, \$18,000. Dwelling, brick, three stories, 29x42 feet, Cheltenham avenue and Broad street.

An advertisement should stick out like a sore thumb without being so sensitive.—“Novelty News.”

The man that doesn't advertise nowadays is a barnacle. And he ends up like a barnacle by being scraped off.

Philadelphia Paper Manufacturing Company (O), Fountain and Canal streets. Cost, \$5,000. Manufacturing, Fountain and Canal sts.

**Diamond Realty Company (O)**, Morris Building. Harry Gill, Jr., 2200 Germantown avenue. Cost, \$24,000. Apartments, 1604 to 1614 Diamond street.

**Gates Home Made Candy Company (O)**, Howard and Norris streets. H. P. Schneider (C), York road and Erie avenue. Cost, \$2,400. Manufacturing.

**Daniel Crawford, Jr., Land Title Building**. Cost, \$1,000. Garage, Sixth-third and Media streets.

**L. M. Longacre (O)**, 816 West street. J. M. Bowles (C), Wilmington, Del. Cost, \$1,000. Store and dwelling, 4255 Ridge avenue.

**J. F. Richards (O)**, East Shannon street. J. Mitchelmore (C), 143 Midvale avenue. Cost, \$1,000. Ridge avenue and Shannon street.

**J. F. Gilhertson (O)**, Sixty-ninth and Woodland avenue. R. B. Clark (C), 1917 Callowhill street. Cost, \$800. Church, Eighty-fourth and Tinicum streets.

**J. Lloyd (O)**, Franklin and Parrish streets. Harry Miller (C), 427 Catharine street. Cost, \$5,498. Two dwellings, 520-522 Pine street.

**S. Waldman (O)**, 1119 Girard avenue. B. E. Ostrander (C), 954 Sartain street. Cost, \$475. Dwelling.

**S. D. Woodenglie (O)**, 415 South Broad street. H. M. Irvin (C), 1613 Ranstead street. Cost, \$575. Dwelling.

**Dr. P. C. Major (O)**, Tenth and Oak Lane avenue. J. Mowrer (C), 5905 North Twelfth street. Cost, \$550. Garage.

**Girard Trust Company (O)**, Stephen Girard Building. J. BaFker Company (C), 700 North Delaware avenue. Cost, \$400.

**United Cigar Store Company (O)**, New York City. Edward Fay & Sons (C), 1521 Ranstead street. Cost, \$15,000. Hotel, Twelfth and Market streets.

**C. F. Jenkins (O)**, West Washington lane. E. A. Heffner (C), 6354 Jefferson street. Cost, \$1,335. Garage, 60 West Washington lane.

**W. B. Stauffer (O)**, Twenty-eighth and Thompson streets. Cost, \$400. Stable, 2738 West Thompson street.

**Philadelphia Electric Company (O)**, Tenth and Chestnut streets. Charles Gilpin (C), Harrison Building. Cost, \$3,350. Power House, Carpenter and Gray's Ferry road.

**Henry Dereum (O)**, 5844 Overbrook avenue. Milton W. Young (C), Overbrook, Pa. Cost, \$1,000. Residence, 5844 Overbrook avenue.

**J. Bagley (O)**, 5428 North Water street. Charles Townsend (C), 5512 Fairhill street. Cost, \$400. Dwelling.

**Robert E. Bringham (O)**, 1131 Cherry street. The Vulcanite Paving Company (C), Land Title Building. Cost, \$5223. Garage.

**Pennsylvania Hospital for Insane**, Forty-fourth and Market streets. The Vulcanite Paving Company (C), Land Title Building. Cost, \$5,522. Hospital.

**Mars and Brann (O)**, Fifteenth and Walnut streets. S. Lashner (C), 1700 South Fifth street. Cost, \$415. Stores, Thirteenth and Chancellor streets.

**J. H. Whiteby (O)**, Baltimore, Md. J. Duncan (C), 920 Walnut street. Cost, \$1,000. Store, 716 Market street.

**O. F. Souder (O)**, Forty-seventh and Paschall avenue. Specialty Eng. Company (C), Emerald and Cornwall streets. Cost, \$6,000. Coal Pocket.



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to run smoothly and noiselessly,  
specify

## American Wrought Metal Sash Pulleys



Ball Bearing

We make all kinds,  
including our celebrated  
**Ball Bearing Pulleys**

Our Pressed Metal  
Sash Pulleys are indes-  
tructible, and are cheaper,  
lighter and better fin-  
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and can be delivered  
promptly.

**THE AMERICAN PULLEY COMPANY**  
OFFICE AND WORKS: PHILADELPHIA, PA.  
Warehouses: New York, 203 Lafayette St. Boston, 165 Pearl St. Chicago, 124 S. Clinton St.

## FRENCH'S "QUALITY FIRST" Cement Colors

Superior—Strong—Safe  
Dry Colors for Coloring all  
Cement Mixes  
**BLACK—RED—BLUE**  
**BROWN—YELLOW**  
Permanent—Easy to Work

Manufactured only by  
**SAMUEL H. FRENCH & CO.**  
Philadelphia, Pa.  
Established 1844 Write for samples and prices

### NEW INVENTIONS.

Mirko Hikes, St. Louis, Mo., combined win-  
dow sash and screen. No. 1,038,138.

E. R. Leonard, Woodcliff, N. J., metal win-  
dow-frame. No. 1,038,160.

W. C. Moreland, Clay Center, Kans., plas-  
ter-pointing-up device. No. 1,038,180.

Solomon Narunsky, Baltimore, Md., square-  
rule. No. 1,038,184.

Athur Priddle, San Francisco, Ca., corner-  
protector. No. 1,038,195.

Oswald Schwerin, Chicago, Ill., scaffold. No.  
1,038,211.

A. C. Soule, San Francisco, Cal., assignor to  
Soule Reversible Window Company, San Fran-  
cisco, Cal., window. No. 1,038,224.

### SITUATION WANTED.

Bookkeeper, D. E. Thoroughly experienced,  
desires steady position. Technical and prac-  
tical experience in building. Age 29. Ad-  
dress, Builders' Guide.

Please ask for sample of the NEW

## Universal ANTI-SLIP Safety Treads

The only GUARANTEED safety tread;—Twice the efficient service  
of any safety tread on the market

R. R. HAMMOND & CO.,

Land Title Building, Phila.

## A NEW AUTHORITY IN ARCHITECTURE

What the Metropolitan Life Is Doing For Better Construction and Fire-Preven-  
tion—Smokeproof Towers and Fireproof Corridors Required.

A powerful agency is at work in New York City for the better planning and construction of houses and buildings. This agency is not a part of the municipal government, has no official standing and is unknown to the general public. Yet is it a very active force in determining the suitability of architectural design, in requiring the installation of fire-prevention expedients and fire-resisting materials, and also in seconding the efforts of those societies and individuals that are working for a finer looking city.

Most of the building work done in New York is with the aid of borrowed money. The Metropolitan Life Insurance Company is the largest lender on New York City real estate. Before this great corporation will make a building loan it institutes an investigation of the security offered. In the course of that investigation the plans and specifications for the building must pass the scrutiny of the consulting architect, Mr. D. Everett Waid, and must conform to certain well recognized standards of construction and finish, according to an article in the current number of "The New York Real Estate Record."

For example, a building must not be seriously out of tune with its neighbors. It must preserve the architectural conventions. Certain provisions in the loan contract will require fireproof corridors in office buildings and smokeproof towers in loft buildings—two of the most important improvements ever made in building construction.

The applicant for a building loan at the office of the Metropolitan Life will find that the corporation has very definite ideas with regard to building construction. Hardly has the excavating been started when he will receive notice that Mr. Waid will want an opportunity to inspect each trench and pier hole, including the trenches for the area walls, before the concrete is placed. His attention will be directed, it may be, to paragraph "E" on page 6 of the loan contract, and particularly the reference to the erection of stairs, the inspection of floor-filling before it is covered with the underflooring, and the submission of details of fireproofing before letting the contract.

### Fireproof Corridors.

Taking an office building to be erected in the lower section of the city as an illustration of what is being expected from builders in

that class of work, it is learned that the builders have been asked that all doors, transoms and trim for corridors leading from elevators to offices, including the doorways to the offices themselves, be made of kalamein material or underwriters' hollow metal. This latter provision also applies to doors, transoms and trim leading to stair halls. The object clearly is to provide a safe exit for the people working in the offices.

All the window-frames and sashes in this building, excepting those on the street fronts, are required to be either of kalamein or hollow metal glazed with wire glass.

All the structural steel in the exterior walls must be covered with a trowel coat of Portland cement mortar carried up a half story or so in advance of the masonry walls. The steel must be separated from the cinder fill by rich concrete. All surfaces of interior structural steel and iron, except the top flanges of beams, will be protected by concrete or a trowel coat of Portland cement mortar. The shop details of all the steel framing will be submitted to the consulting architect of the Metropolitan Life.

It is required that the plumbing in this building shall be high class throughout. When finished it must be submitted to an independent test—that is, a test to be made by a third party. All leadwork in contact with steel must first be coated with asphaltum or other approved paint. Genuine guaranteed wrought-iron pipe will be required instead of ordinary steel pipe for water, waste and vent pipes.

Taking a building in course of erection in the middle mercantile district west of Fifth avenue as typical of loft buildings, it was learned that in connection with the loan which the Metropolitan Life has made upon these premises, a smokeproof tower will be required. This is an invention which originated in Philadelphia and has been approved by the New York Fire Insurance Exchange. In the building code prepared by the Joint Committee on City Departments, of which D. Everett Waid was a member, a requirement for fire towers was incorporated.

### Fireproof Towers.

Although the code has not yet been passed by the Board of Aldermen, the Metropolitan Life has adopted this provision, which is in-

(Continued on page 636.)



**PARADUX CANVAS ROOF COVERING**

For Covering Porches, Decks, Roof Gardens, etc.

PARADUX is the Ideal Covering for all Roofs on which Continual Walking is done.

Send for Sample and Prices

**THE FRANKLIN PAPER CO., Inc., 718-720 Cherry Street, Phila.***Distributing Agents***THE BLUE STORE.**

By Richard Bracefield

*(Reprinted from McClure's)*

There were many automobiles in Henderson's town, but the little old store had sold only an occasional gallon of gasoline. One day this versatile merchant reached out and seized a concrete gasoline idea. He got up a wooden gage for measuring the depth of the liquid in the automobile tanks. It was decorated, of course, in blue. A newspaper advertisement announced that every motorist making a first purchase of gasoline at the Blue Store would be supplied free with a gage. That day there was a string of cars in front of the store almost constantly. Henderson's gage and his bright blue gasoline cans made an impression, and ultimately the store did the largest gasoline business in town.

**Soap, Weddings and Babies.**

Most of the teamsters of the city blossomed out with blue wagon umbrellas, with Henderson's name and mottos printed upon them in white. The school children all received glistening blue rulers with Henderson's advertisement in gold. The newsboys wore blue Henderson caps. A consignment of fancy cakes of soap arrived in town one day, each cake bearing, in blue, the Henderson trade-mark. When the housewives received the soap as advertisements, they were astonished to find that the trade-mark wouldn't wash off, but remained until the soap had done duty to the end. This, Henderson blandly explained, was a way Henderson's paints always had. Yes, there was more of the soap, and more of the paint!

When a baby was born in the town, it got a blue ribbon from Henderson, tied in a beautiful bow; its parents received an invitation to call and buy some paint or varnish or furniture polish, at a discount. A blue coupon was inclosed, to make the opportunity real. At all weddings Henderson was present in spirit, and the blue coupons represented things like painted kitchen floors and shining doors.

One day a photographer set up his camera in front of a residence freshly coated with Henderson paints. A few days later a handsomely framed picture was delivered, with the compliments of the Blue Store. It was wrapped, of course, in blue paper, and carried a messenger in Henderson blue. Thereafter the photographer had a very good thing in Henderson—but the latter was satisfied with his liberal policy; it brought returns. To-day there are scores of such photographs in that city, and in the country for miles

about, and each of them has paid for itself a good many times over.

Most business houses think it burdensome to send out even the statements that are really necessary. It occurred to Henderson one day that he would send out a big batch of wholly unnecessary statements. He took the names of all the responsible persons in his selling zone. On hundreds of statement blanks he caused to be typewritten the complimentary phrase, "You don't owe us a cent; we wish you did."

Every Christmas Henderson sent out cheerful greetings, and often he mailed special greetings—birthday wishes and so on. On Fourth of July he was always eagerly sought by the children, for he was sure to have something for them, such as a blue snapping torpedo or other noisy blue novelty. At church fairs, and entertainments of various sorts, Henderson frequently caused a great deal of fun with his blue paint-selling schemes. Finally came a blue automobile delivery car. Meanwhile the Blue Store's show windows worked overtime with display after display. There were many curious scenes depicted on the glass. Every local event of consequence formed the subject of a grotesque painting, the general scheme following the lines of the picnic picture described in the foregoing. There was always a well-planned pulling force attached to it, directed toward some specific class of paint-users. Then, while one window was a sort of panorama in blue paint, the other did duty for varied exhibitions. A make-believe man in a blue suit, for instance, was shown in the act of falling from a painter's scaffold. Another show window display presented an unfortunate dummy painter who had accidentally seated himself in a puddle of paint. The little old store would have blushed for shame over the levity and lack of dignity betrayed by this new-fangled descendant of the Henderson line. But it got business.

**Hammering the Trade Lists.**

All these selling schemes were spectacular; many of them were eccentric—the ingenious devices of an active mind to keep a business continually before the public. But there was something more than this in Henderson's operation of his enterprise. More and more, as it grew, he knew business inside out; and he knew his market; and he analyzed and

**Hardwood Floors**

Our work and methods receive the voluntary approval of the leading Architects and Builders. This only comes from using proper materials, employing careful, competent mechanics, systematic supervision and quoting rock bottom prices.

*If we can serve you send for our estimator and let us show you.*

**Strawbridge & Clothier**  
Phila., Pa.

**KANT-KOROD**

(RUST INHIBITIVE PAINT)

Has No Equal for Metal Protection

**PYRAMID PAINT CO.**

131 N. 22nd St., Phila., Pa.

Makers of Paint for Every Purpose

**CONCRETE PAINT**

Decorative &amp; Protective

recorded his knowledge in a thoroughly systematic way.

The Blue Store did not look at its customers as a conglomerate mass, but as a body made up of units, each distinct in itself. For instance, the farmers comprised one unit; to reach them and induce them to buy their paint of him, Henderson evolved a special line of selling ideas. Another unit was made up of contractors; another of men who owned modest homes and did their own painting; another of public institutions; another of housewives who used varnish, oil, and polish. All these lines of customers were carefully listed, and the needs of each list put under constant study.

With these lists of names as a basis, Henderson hammered away constantly. He reached out with ideas, first in one direction and then in another, along the lines briefly indicated in this article. He had an extraordinary follow-up policy, keeping a record of buildings that were paint consumers, and listing them by dates. Thus, one class of buildings would be listed a year ahead for "follow-up," another class three years ahead.

From every point of the compass customers began to direct their steps toward the Blue Store. Before long it outgrew the quarters of the little old place, and moved to a new location near by. It kept on growing, but steadily and without any boom. Its com-



**F. WEBER & CO.**

1125 Chestnut Street, Philadelphia, Pa.

**Drafting Supplies**Superfine Detail, Drawing  
and Tracing Papers

FINE BLUE PRINT PAPERS

BLUE PRINTING  
SOLICITEDPrompt Service Good Results  
Minimum Charges

MEASURING TAPES

Catalogue and Sample Books on Request

**EXCELSIOR  
RANGES**

Have been the standard of excellence for half a century. They are made for Coal, Gas or Combination Coal and Gas.

**Isaac A. Sheppard & Co.**

Philadelphia

New York

Baltimore

petitors stopped their laughing. Its customers were known and watched and catalogued; but its goods and its business operations were watched and kept track of as closely.

Everywhere he could find them, Henderson gathered statistics on the paint business, and filed them away. His transactions with his customers were recorded. His filing system was wonderful—as glimpses of it will show.

One day a farmer entered the Blue Store with a complaint that the paint had peeled from his barn—the new-quality paint which Henderson had secured in the manner related. Through the store's indexing methods, the date of the purchase was quickly found. "You bought this lot of paint on the 10th of last September," said Henderson. "Did you put it on your barn right away?"

"Yes," returned the customer; "the very next day."

Turning to another file, the merchant took forth a slip of paper on which was typewritten: "September 11—Rain."

"Then you must have put on the paint when the boards were wet," he observed.

"It isn't safe to use even the best paint under those conditions."

The customer was silenced—his complaint had fallen flat; and he marveled at this extraordinary system that had caught him so neatly.

A customer came in, one day, to inquire the price of a certain quantity of mixed paint. It was given him.

"You're too high," he said, as he turned to go out. "I can beat you by going over to So-and-So's store. I can get a brand just as good as yours, too."

"Perhaps," agreed Henderson; "but wait a minute; we'll look the matter up."

From one of his files he took down the government tables of paints. So-and-So's brand was duly listed and its chemical constituents given. Farther along in the list was the brand handled by the Blue Store. In the former there were no high-class ingredients, and the government tests showed twenty-four per cent. water. In Henderson's brand there were no substitutes, and only one-tenth of one per cent. water. The customer bought then and there.

Another customer also objected to prices. Henderson took from his files a chart showing just how the wholesale cost of the various ingredients had gone up in a year. There was no answer to this argument.

There is nothing that talks to a customer like documentary evidence and analytical knowledge of the goods under scrutiny. Doubting customers were shown files of photographs, technical results of scientific tests, and condensed information relating to approved painting practices and materials. One specially devised file in the Blue Store was devoted to color schemes; another furnished facilities for comparing the prices of almost all painting goods on the market. Yet the store was not over-systematized; it used simple methods for accumulating and keeping information that helped to sell the goods. All the statistical and clerical work was done by two persons—a part of the time by one.

**Saving Time and Money.**

But Henderson went further than to promote the selling of his material. A business is run for net results, not gross. One after another, he analyzed the costs of his business; he looked up and checked the wastes of time and of material, but especially of time. In those early days of the Blue Store, "scientific management" had not come strongly into the limelight, but the methods that Henderson worked out and put into operation himself were nothing else. He evolved his whole scheme from his own brain, without any knowledge whatever of technical procedures. He reasoned that the Blue Store, if it were to give its customers minimum prices on the class of goods handled, must operate on a minimum of productive expense. One day he took out his watch and timed the procedure of drawing oil. To draw fifteen gallons required fifteen minutes. It wasn't long before a self-measuring device was installed

by means of which fifteen gallons were drawn in forty-two seconds.

All through the store the same sort of motion-studies were made, so that four or five clerks were able to accomplish, easily, work ordinarily requiring twice that number. Equipment was studied as carefully as the "scientific management" expert studies his appliances to-day. Lost motion was counted as expense, and reduced wherever it could be located. By means of drawer compartments and classified shelf spaces, the re-handling of goods was cut to a minimum. Oil stocks in the basement were replenished by means of piping direct to the receptacles, while a little elevator was put in to carry goods from the basement to the store level. On all these betterments the saving in time—which meant clerk hire—was carefully estimated in advance.

By intelligent attention to the subject of fire risk, the insurance rate was reduced from twenty-five to fourteen dollars. In the office, short cuts in accounting and the use of modern office machinery reduced this form of expense fully fifty per cent. Henderson's penchant for cutting out waste was everywhere evident. And, once a rule was established, it was enforced. If an article were found out of place, or a light left burning when it was not needed, a fine of five cents was assessed against the offender. The money so accumulated went into a fund which the clerks themselves expended, as a whole, upon some entertainment or relaxation. To this fund Henderson himself contributed liberally.

As fast as Henderson made money, he kept careful records of it, so that he might know what stock was giving him profit and what was returning a loss. He can point to-day and show how most of the minor products of his store, as well as the larger ones, climbed step by step. His percentage tables form an interesting and helpful feature of his growth. He believes in dissecting a business down to the smallest possible fraction, so that wrong tendencies may be caught in their incipency and corrected.

So behind it all lay not only a fundamental philosophy, but an undeviating routine of system. It was no haphazard success Henderson won. The philosophy carried it and furnished the impulse; the system made the philosophy worth while.

The net result of it all was profit, success, a growing business, and a good living. In seven years Henderson has resurrected the senile store of his fathers, and made it, by his own attention and ingenuity, yield him six or seven thousand dollars a year.

A small thing? Not at all; a very important one. There are thousands of moribund stores and factories in the United States to-day. Wherever you go, you see the evidences of the slender incomes they return to the men and families dependent on them. After all, we are a business people, a large number of us dependent for our existence and happiness, directly or indirectly, upon commercial success. What can be more important



to most of us as individuals, or to all of us as a nation, than the magic touch which, as in the case of Henderson, creates a living business enterprise?

### THE CONCRETE POISONER.

It takes a pretty low-down sort of fellow to set poison for a neighbor's dog. Even in time of war, the poisoning of wells is an unspeakable atrocity condemned by the consensus of all civilized nations. And yet some men, outwardly respectable, will, without the least compunction, wink at or even take part in the poisoning of concrete that is to enter into structures on whose stability human lives and happiness depend. This poisoning may be done in different ways, as by skimping on the cement, or by using aggregates that are filthy or of poor quality. The symptoms may not develop for some considerable time; but in the end the result is the same—weak, defective, undependable work that spells ultimate failure or disaster. Where this kind of work is done deliberately and with open eyes, the motive of course, is the dishonest one of "graft;" but in any case it implies a contemptibly careless disregard of others' rights that savors of positive corruption, and a recklessness as to consequences that verges on the criminal. It is only our ingrained, habitual indifference and blindness to things of vital importance that keeps the poisoner of concrete from being publicly branded as a moral outcast.—Cement World.

### THE FURNACE HEATING SITUATION.

Cheaply constructed and inefficient types, ignorance of the proper methods of installation, the absence of reliable standards of ratings and other retarding influences to the proper development of the warm air furnace industry have long been topics of discussion among manufacturers and dealers, in the trade press and the various associations. With the most earnest intentions on the part of their promoters the several organizations have not accomplished any large reforms, such as must be instituted if the industry is to regain the ground it has lost through the inroads of competing heating systems. This is not to minimize the value of the work which these organizations have done, but rather to emphasize the need of a stronger and more effective co-operation among those interested than has heretofore, for reasons well known to all who have studied the situation, seemed possible. What has been termed the reorganization meeting of the Federal Furnace

League, held this week in Chicago, ought to be productive of results. The time is ripe for a powerful association, national in its scope, with a platform broad enough to overcome prejudices incident to competition and command the energetic support of every manufacturer of furnaces and furnace pipe and fittings who is susceptible to progressive activities and is desirous of lending his aid in a practical move for the uplift of the industry. Such an organization, with the co-operation of the National Association of Sheet Metal Contractors, can compel reforms and be in a position to make effective its measures for the protection and advancement of the industry.—Sheet Metal Shop.

### PERMANENT SUCCESS.

Permanent success depends upon the answer—whether or not your business is to continue at a profit.

A New England merchant thought he was making money—thought so for five years. But a scientific accounting of liabilities and assets showed that he had been taking profits out of capital. Reorganization came just in time to save the business.

Another business man guessed at a proper distribution of burden and figured a profit for each line. But a careful analysis of production cost and manufacturing methods showed some products to have been made at a loss. Readjustment worked wonders.—Exchange.

### THE TALLY.

It isn't the job we intend to do,  
Or the labor we've just begun,  
That puts us right on the ledger sheet;  
It's the work we have really DONE.

Our credit is built upon things we do,  
Our debit on things we shirk;  
The man who totals the biggest plus  
Is the man who completes his work.

Good intentions do not pay the bills;  
It's easy enough to plan.  
To wish is the play of an office boy;  
TO DO is the job of a man.  
—Sheet Metal Worker.

### SPACE FOR A SMILE.

#### Unofficial Notice.

Hibernian in front of unfinished building,  
to fellow-workman at fifth story window:  
"Mulcahy, go to the spaking tube. I want  
to tell yez to come down."—Exchange.

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#### To Each His Own.

"I started to work on my twentieth story yesterday," said a busy looking man, "and I tell you I'm making it pay."

"You are an author?" suggests his neighbor.

"Certainly not! I'm an architect."—Exchange.

He who minds his own business is seldom out of a job.—Exchange.

The human race is divided into two classes—those who go ahead and do something, and those who sit still and inquire why it was not done the other way.—Exchange.

Silence is often more eloquent than gab. Look at the lady on the silver dollar. She never speaks, but how eloquently she talks!—Exchange.

More people would be good if the ones who are so would only cheer up about it.—Exchange.

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### BOOST.

Fall in while the band's a playin'  
Ketch the step and march along—  
'Stead o' pessimistic brayin',  
Jine the hallelujah song!  
Drop yer hammer—do some rootin'—  
Grab a horn, you cuss, and split  
Every echo with yer tootin'—  
Jump the roost  
An' boost  
A bit.

—Exchange.

The darkest hour in any man's life is when  
he sits down to plan how to get money with-  
out earning it.—Horace Greely.

You can't hire loyalty; you have got to de-  
serve it.—Ex.

### ARCHITECTURE AT PANAMA.

Leon E. Dessez, a Washington architect, has called our attention to a recent address by Senator Newlands before the Senate, urging that in completing the Panama Canal, the nation's great men in art and architecture, who have done so much for the country's development, be called upon to help finish this great engineering, and if Senator Newlands' idea is carried out, architectural structure.

Senator Newlands pointed out that during the past few years there has been a great movement toward democratizing art. All over the country associations of architects, sculptors, engineers and artists of every sort have been formed; and with their national associations, their specialized journals, and their every day work, they are doing much to mold and develop public opinion. To quote Senator Newlands:

"As this canal is now approaching completion, I have a suggestion to make to the committee in charge, and that is, that in finishing that wonderful structure we should take into our councils the great men in architecture and in art who have done so much in the way of the artistic development of the country since the Chicago World's Exposition. In ancient times no great structure of this kind was completed without utilizing great men in architecture, sculpture and painting, and their work has gone down to posterity with the work of the great constructors.

"We have been utilizing in the construction of this canal a very plastic material—concrete—which can be molded into any form without additional expense and which can be made attractive in appearance as well as useful in purpose.

"It seems to me this is an appropriate time to bring the Commission of Arts, recently organized by national legislation, into co-operation in an advisory way with the Panama Canal Commission, and that they should be called upon to make some suggestions which will enable us to crown this structure with an artistic demonstration so that it will be representative to the nations of the world and to future generations, not only of the constructive genius, but the culture of our time."

The suggestion is well worth careful consideration, says "Concrete-Cement Age." A wonderfully broad and sincere architectural interpretation of the Panama Canal structure, and its permanent expression in a series of great concrete structures at the canal would be a most inspiring monument to American art.

Given the plastic material and the construction organization at hand, imagine what it would mean to the culture of the world to give free reign to the hand and brain of the group of artist-engineers, the architects of the country, who have added so much to the country's wealth of art. An entrance way, an arched lagoon in permanent concrete, which would match the wonderful scenic effects of any of our world's fairs, is a practical possibility. And even in these structures, art could still serve utility, and with intelligent, comprehensive design and sympathetic interpretation, this great engineering structure could be shaped to most beautiful ends.

Such architectural structures would be America's gift to the world at the gateway of continents, and the material would be concrete.

### FIREPROOF CONSTRUCTION AND DEATH PROOF DESIGN.

In the present day emphasis placed on fireproof construction, there is not, we believe, enough attention paid to deathproof design. A building may be fireproof, well and good; but if that building contains inflammable material and human workers, then, unless sufficient means of egress are provided, a fireproof building becomes a roasting oven, filled with fuel; and the poor workers can either roast or jump from the windows.

Fireproof construction is to-day an engineering and architectural achievement. Deathproof design is still a goal to be sought. In building reinforced concrete structures, apparently fireproof in themselves, the architect and engineer must remember that in this building people and combustible materials will in all probability be housed together; and in the design of that building ample provision must be made to empty the building of its human contents within the shortest possible time.

Fire escapes, fire towers, enclosed stairways and all means for bringing the occupants of an upper floor to the ground level have been developed and used to a high degree, and in most every case where tested under actual



conditions such means have, to a greater or less degree, proved a failure. The ideal condition is one that would require no means of vertical communication, as in a one-story building, where the only requirement for safety from fire would be plenty of exits into the open air. To reproduce such an ideal condition in a many-storied building, that is, to provide sufficient exits horizontally, it has been suggested that a vertical interior dividing fire-wall should have a wider, if not compulsory use, in all construction where fire protection is necessary.

A fire-wall, continuous from basement floor to the roof, with several automatic fire doors at every floor, would practically make two buildings, absolutely protected, one from the other, as far as fire is concerned, but each

offering the other every means of escape in case of fire. Elevators and stairways should, of course, be provided in each section.

Such "duplex" building construction would not only mean a greater safety from fire, as far as the occupants of the building are concerned, but would also offer the readiest and most convenient method of fighting a fire.

This method of construction was strongly and ably urged by H. F. J. Porter, consulting engineer, New York City, in an article in the "Survey" some time ago. We feel that more consideration could be given to this method by engineers and architects who are working to design and build fireproof and deathproof buildings.—Concrete-Cement Age.

## THE OUTLOOK IN CEMENT.

### A Survey of Conditions Affecting the Present and Future of the Cement Industry.

A number of years ago, writes Mr. Charles Catlett in the "Manufacturers Record," I ventured the prediction that the increase in production and consumption of Portland cement would be so great as to be one of the most striking things in connection with our general industrial development. This statement has been fully confirmed; and it is the more remarkable that, while the consumption of cement has, of course, been affected by the ebb and flow of business prosperity, yet there has never been a year in the last twenty, unless it is possibly the present one, when the consumption of Portland cement did not show a large increase over the previous year. Yet within that twenty, there have been a number of times when iron, the recognized barometer of trade, has shown reductions. We have often been able to get along with less iron, but we have always wanted more cement.

While it remains to be seen whether we have approached the saturation point, and whether the production and consumption will advance in a more orderly fashion and respond more promptly to industrial changes, in the same way as iron and coal, it is very clear that we are but at the beginning of the yearly consumption in this country. As great as is the present consumption, it will sink into insignificance when the farmers of the country get into the habit of taking home a few bags of cement every time they come to town, and when the use of cement in some form will be considered a necessity on every farm. This is inevitable, and the dissemination of knowledge as to how to use Portland cement will soon be general; and the valuable and fascinating part of it is that every user is a manufacturer. The ordinary user of iron buys it in its finished form, because the difficulty of working requires special appliances and skill. The ordinary user of cement buys it in a package which permits of indefinite

subdivision; and on mixing it with sand and water and gravel, all of which are more or less generally distributed, he makes a post, or a tank, or a boat, or a house. It is no wonder that under the spell of it all it should have been tried in some cases where it was not suited; and the most astonishing thing is that it has failed so little with such unskilled handling.

There is no question as to the large increase in consumption which will take place in the next few years; but whether the industry shall prove a profitable one on the whole, is uncertain. It is certain that a great deal of cement is now being sold at less than the cost of production in order to keep the mills busy, and it is certain that the best mills are getting an inadequate return. This is in part due to the general depression affecting all business, and with returning prosperity the prices must increase somewhat; but the tendency is to reduce the average price, and is different from that in case of the iron industry. With the gradual consumption of the better ores and the recognition of their limitations, the tendency of the average of iron prices is upward.

While the price of cement will certainly go up with changed business conditions, the average price in the future may be expected to be less than the average price in the past, partly because of improvements in plants and in methods, and partly because the development of local plants near to points of consumption will both lessen the freight rate to the consumer and continually reduce the zone of profitable distribution from existing plants. This, then, is followed by an effort to reduce cost by increasing output; and, as all of the companies go through the same process at the same time, there is a steady tendency for the production to keep ahead of the consumption. The wide distribution of cement material

makes it impossible to imagine such a thing as the control of the supply; and the minute prices get very high, competition will rush in. But the places which combine conditions for cheap production, good quality, and a good market are limited, as anyone will find out who carefully investigates them.

### THE BIG CROPS, AND BUSINESS.

According to present conservative estimates, the farm crops of the United States this year will yield a total value of about 9,000,000,000 dollars. There may be adverse conditions yet to come which will reduce the aggregate volume of some of the crops, notably corn; but the conditions at this time, the latter part of August, are such as to promise an undoubted yield which will be the greatest the country has ever produced. This great crop will almost certainly be of the highest benefit to all classes of people. The farmer is likely to receive less in price for his products, but the increased yield will give him ample compensation, and the prices which he will receive will still be generous, although reduced from those which have prevailed of late.

The large crops will result, for one thing, in an enormous traffic to the railroads. This traffic, coming as it will in the narrow space of the fall months, may result in some hardship in one way, in that the unusual demand finds the railroads inadequately provided with cars for shipping, and the resulting car shortage may cripple some lines of business for a temporary period. But even thus, the country can well afford the discomfort. Through the additional great compensation to the railroads many other lines of business and industry will be stimulated, and thus the beneficial results will be distributed in an almost universal manner.

If the corn crop reaches the estimated figure of a possible three billion bushels there will be a general reduction in the price of food products of many kinds, beginning with beef and pork, and all the lines of live stock which owe their fattening to corn. Also the meat prices will influence the prices of many other things among the multitude of foods which we consume. The outlook generally, notwithstanding all political tumults and the disgusting phases of this year's Presidential campaign, is more than usually bright. The entire business world is taking a more hopeful view than has characterized any Presidential election year in the memory of the country. In other words, people have concluded to attend to business, and are discounting all of the dismal prophecies of the political pessimists. This is more as matters should be, and, provided the people are not too busy to turn out and vote in accordance with their convictions, everything should work out in a manner which will prove in the end to be reasonably satisfactory.—Patton's Monthly.

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# Editorial Comment

The architect is gradually acquiring a place in current literature. Ellis Parker Butler made an architect the central figure in a most diverting little story printed in the New York "Architectural Record" some months back. Richard Harding Davis has a story in the current "Saturday Evening Post" in which an architect is the leading character.

\* \* \*

Readers of "The Guide" will recall an attractive paper printed in these pages some weeks ago by courtesy of "Arts and Decoration" on "Modern Domestic Architecture in England." This paper was from the pen of Mr. C. Matlack Price, editor of "Arts and Decoration," and concerned itself with the original and striking work in English suburban house designing being done by such men as C. F. A. Veysey and his compeers. A second article on the same subject, covering the work of Mr. E. L. Luytens, is a feature of the September number of Mr. Price's excellent magazine, and will, we trust, reappear with the original illustrations in an early number of "The Guide." While "Arts and Decoration" is devoted nominally to painting and decoration, it devotes much space, supplemented by a fine artistic discernment, to architecture and architectural craftsmanship.

\* \* \*

Some time ago "The Guide" made announcement of its intention to print from time to time portrait sketches of the men who do things in contemporary architecture, a sketch of the new Supervising Architect, Mr. Oscar Wenderoth, in a recent issue being the first of the series then contemplated. While material is now in hand for a number of sketches of the kind, we trust that no antiquated sense of over-done professional modesty will impel practitioners to abstain from forwarding to "The Guide's" editor portraits and data for this feature.

There is to be no suggestion of advertisement about these sketches, which are timed solely to make known to the trade and to the lay press something of the personality and of the achievements of the successful men in a profession but little understood of the great outside world of men. In celebrating the architect and architecture "The Guide" is fulfilling one of its missions as an organ of the craft.

If, therefore, we have not already received your photograph and data, Mr. Architect, we will be pleased to have you send it along. You may trust us to so time its appearance as to avoid any hint of the inopportune.

\* \* \*

Now that the fall is here and the vacation season at an end, Philadelphia Chapter will resume the notable series of meetings which marked its activities at this time last year,—meetings characterized by zeal, public spirit

and a fine artistic enthusiasm. Philadelphia owes much that is helpful and stimulating on the side of her artistic development into the City Beautiful of our dreams to the interplay and exchange of ideas peculiar to these monthly sessions of the local chapter.

\* \* \*

Operative builders at a recent meeting asked Mayor Blankenburg to do away with "sinecures" and "ornamental official places" as a measure of economy calculated to relieve the necessity for a higher tax rate. Mayor Blankenburg might also make excellent use of the money thus saved in the employment of additional building inspectors, including a few specially assigned to "jerry" operative building. By the way, why does not Chief Clark amend the present loose, obsolete and unsatisfactory regulations governing this class of building?

\* \* \*

Winter nights are dear to the man who reads, whether this reading takes the form of the higher flights of literature, the frothy fiction of the day or the trade magazine that chronicles happenings of congenial interest. In any event the winter season—with its long evenings devoted to reading—is the season of all seasons for the shrewd advertiser. Acquaintances are to be made in the nights between the present and the flowers that bloom in the spring that may result in most profitable business relations in the summer of 1913 to follow. Now is the time to engage space in "The Guide," Mr. Advertiser, and start your series of talks to the man who builds, designs buildings and buys materials and equipment for use in the building field. At ease and before the comfortable warmth of his fireside at home, you will find him in the mood to receive with an open mind the selling arguments you have to offer him, and if you can't make him a customer, then the fault is with either your wares or your salesmanship. "The Guide" places at your disposal a medium in which you can reach him and talk to him at his receptive best,—the long nights of house slippers and pipe and uninterrupted leisure. Granting your proposition any merit worth talking about, its good points ought to get across under conditions so benignly propitious. Suppose you invest some money in space and try it this fall and winter. We fancy the results will be such as to impel you to thank us for the suggestion.

Are you aware that "The Guide" prints every week more real, live, readable, up-to-the-minute stuff about architecture and building than any two of its more pretentious contemporaries? Fact, just the same. Compare 'em and see.



## Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

\*\*Anton W. von Utassy, who died in Philadelphia on February 5, 1911, left an estate appraised at 5270,694, the same being divided among his widow, his son, George von Utassy, editor of the "Cosmopolitan" magazine, the latter's wife, Florence, and three grandsons. The property in New York State comprised 244 shares of the American Meter Company stock, worth \$26,840. The estate included large holdings of Philadelphia subway and traction company stock.

Mr. von Utassy was for many years a distinguished member of the Philadelphia lumber fraternity and widely known in the eastern lumber trade. During his activities in the lumber industry he not only built up a large and substantial business but was likewise instrumental in educating in the business several men who have since occupied prominent positions in the industry among whom is Mr. Horton Corwin, Jr., of the Branning Manufacturing Company, large North-Caroline Pine producers of Edenton, N. C.

\*\*E. E. Zimmerman, formerly of the Mer-shon, Eddy Parker Company, of Saginaw, Mich., has joined the selling force of the Owen M. Bruner Company, and is covering nearby territory in Pennsylvania and New Jersey.

\*\*The John J. Rumbarger Lumber Company is no longer located in the Perry Building, Sixteenth and Chestnut streets, but now can be addressed at 1505 North Fifth street, the office of the estate of Daniel Buck.

\*\*Emil Voss, well known in the sheet metal trade, has been appointed general manager of the Royal Ventilator Company, Philadelphia.

\*\*The Inland Steel Company, Chicago, Ill., has issued its annual report for the fiscal year ending June 30, 1912. The report shows net profits of \$1,037,041, with assets of \$14,662,101.

\*\*D. Everett Waid, the architect, is touring Europe.

\*\*John C. Sims, architect, has removed his office from 17 West Forty-fifth street to 2 East Twenty-third street.

Klein & Koen, architects, formerly of 361 Stone avenue, Brooklyn, have moved to 9 Debevoise street, Brooklyn, N. Y.

\*\*The Globe Automatic Sprinkler Company has opened a New York office at 47 West Thirty-fourth street. Mr. S. F. Weston is the eastern manager.

\*\*The firm of Corbett, Higgins & O'Brien, architects, of Fall River, Mass., has been reorganized and is now styled Higgins & O'Brien, with offices at 44 Borden Block, Main

street, Fall River. Manufacturers' catalogues and samples are requested.

\*\*The Stephen & Grund Company, manufacturers of lighting fixtures, have recently opened offices at 315A Livingston street, Brooklyn. The factory is at 327 Livingston street. They will make a specialty of catering to the building trade, carrying a full line of fixtures.

\*\*Private parks for the use of occupants of town residences are not uncommon. But similar reservations, with tennis and basket-ball courts, athletic slides, seesaws, shelter tents and sand boxes, for apartment house tenants are enough of a novelty to claim attention for the announcement by the American Real Estate Company that it is setting aside a plot of 50,000 square feet on its Watson tract as a private playground.

\*\*The Wheeling Corrugating Company, 16 Desbrosses street, has recently completed the metal ceiling work in the loft building, 2174 Third avenue, metal ceilings being used on all stories. John H. Deeves & Bro., 103 Park avenue, were the builders. The Michigan Furniture Company is lessee. This concern has also completed metal ceiling work throughout the four-story building, 28-30 Avenue A, occupied by the Progressive Assembly rooms. The ceiling in the main dance hall is an especially elaborate one and is designed with heavy beam moldings, dividing the ceiling into eight panels. Around the outside of the ceiling there is a 48-inch metal cove, and three large centrepieces are used.

\*\*For the first eight months of the year, up to September 1, permits were issued in Brooklyn for 248 apartment houses, estimated to cost \$7,204,000, or nearly two millions more than the entire cost of the construction of such buildings in 1911. The estimated cost of all buildings planned this year so far is almost \$5,000,000 more than last year's record at this date.

\*\*The city of New Rochelle, F. H. Waldorf, Mayor, contemplates the erection of a civic center, the location of which is undecided. The members of the Board of City Development include Edward J. Cordial, president; Stuart F. Douglas, Frank Koch, Thomas Checked, John Moran and Harry Scott, all of that city. The board has been requested to make a report concerning suitable sites, advantages and costs. No architect has yet been retained.

\*\*On Tuesday, August 27, the Master Sheet Metal Workers' Association of Cincinnati, Covington and Newport, about one hundred and thirty strong, visited the plant of the American Rolling Mill Company at Middle-

town, Ohio. The party was transported by special train over the C. L. & N. from Cincinnati direct to the company's new East Side plant.

G. M. Verity, president of the company, met the visitors with an address of welcome at the entrance to the plant, after which the party, divided into groups, each with a guide, was taken over every part of the mill and shown the process of manufacture of the company's popular product known as American ingot iron.

\*\*Henry C. King has been elected president and general manager of the American Mason Safety Tread Company to take that office made vacant by the death of William S. Lamson, who died at his home in Lowell, Mass., August 16. Mr. King has been treasurer of the company since its organization and in that time has made many friends among railroad officers.

\*\*Adolph O. Krieger has resigned his position as publicity manager of the Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, to open an office at 916 Victoria Building, St. Louis, for the sale of the "Tacchella" oil burning device, a new device which will be especially suitable for domestic heating purposes, japaning and annealing ovens, baking ovens and cooking ranges.

\*\*P. Austin Tomes, for a considerable time advertising manager of the Atlas Portland Cement Company, severed his connection with that company September 1, and joined the staff of the Concrete Products Company, with offices at 35 West Thirty-second street, New York.

\*\*Charles S. Robbins has become associated with Wadsworth, Howland & Co., Inc., Boston, Mass. He has been made sales manager and is now a stockholder in the corporation.

\*\*\*"The cross-questioning, even of the man who makes up the estimates of costs for many builders, will demonstrate that he is using costs not obtained from actual studies of the firm's work, but from the statements of other builders," says Mr. Leonard C. Wason, president of the Aberthaw Construction Company, Boston, in a recent paper. He goes on to say that the estimator often takes the word of a foreman in charge of some branch of work, or merely uses the cost with a hazy belief that it is correct, without being able to tell exactly where he obtained it. An estimator for one of the progressive New York firms told Mr. Wason that he was tremendously handicapped by never knowing whether the work corresponded to his estimate. "Their case is not exceptional," says Mr. Wason, "and a bald statement regarding their cost data would excite no particular comment from average men engaged in the building business."

If you fail to place "The Guide," Mr. Ad-Man, on your fall and spring list you are making a mistake you will live to regret. Few papers in the architectural field surpass "The Guide" in the matter of getting results for its advertisers.



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## PROPOSED RULES FOR THE MEASUREMENT OF CONCRETE CONSTRUCTION

Report of Committee Appointed by the National Association of Cement Users, Philadelphia, Pa.

The following divisions are recognized as separate and distinct items in concrete construction:

- (1) Concrete.
  - (a) Monolithic.
  - (b) Structural Cast Concrete.
  - (c) Cast Concrete Trim and Ornamental Work.
  - (d) Sidewalks.
- (2) Forms.
- (3) Reinforcement.
- (4) Surface Finish.

The following general rules shall govern the measurement of the above items, with exceptions where specifically noted:

- (a) All work shall be measured net as fixed or placed in the structure.
- (b) In no case shall non-existent material be measured to cover extra labor.
- (c) No allowance shall be made for waste, voids, or cutting.

### 1. Concrete.

(a) Monolithic Concrete.—The unit of measure for all concrete shall be the cubic foot.

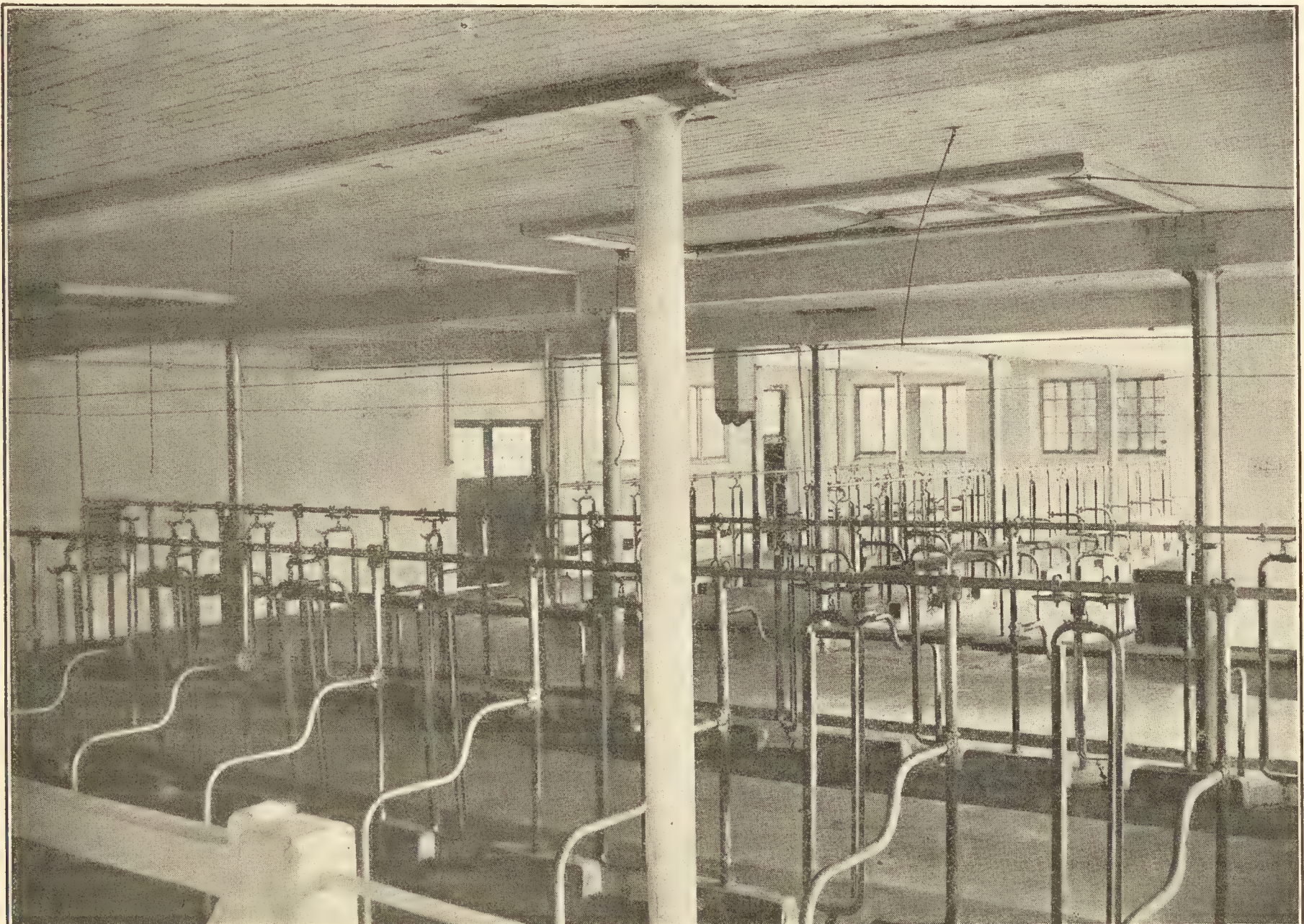
All concrete shall be measured net as placed or poured in the structure or building.

All openings and voids in concrete shall be deducted with the following exceptions:

(a) No deduction shall be made for reinforcement bars, I-beams, bolts, etc., embedded in concrete, except where they have a sectional area of more than - square foot.

(b) No deduction shall be made for pipes or holes in concrete having a sectional area of less than 1 square foot.

(c) No deduction shall be made for chamfered, beveled, or splayed angles to columns, beams, and other work, except where such chamfer, bevel or splay is more than 4 inches wide measured diagonally across the surface.



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INTERIOR OF THE MANOR DAIRY, VILLA NOVA, PA.





Architects  
Baily & Bassett, Phila.

THE MANOR DAIRY, VILLA NOVA, PA.

Each class of concrete having a different proportion of cement, sand or aggregate shall be measured and described separately in accordance with the accessibility and location or purpose of the work.

Concrete in different members of a building or structure shall be measured and described separately according to the amount of labor required in pouring.

Concrete with large stones and rocks embedded in it (cyclopean masonry) shall be measured as one item and described according to the richness of the mixture and the percentage of rock.

In no case shall the measurement of concrete be held to include the forms.

In no case shall an excess measurement of concrete be taken to pay for the cost of forms or extra labor in placing.

Concrete in stairs shall be measured by the cubic foot and shall include surface finish when the mixture is the same throughout.

(b) Structural Cast Concrete.—The term structural cast concrete is taken to include beam and slab construction by the various unit systems now in vogue.

The unit of measurement shall be the cubic foot, and this shall be measured net as provided for monolithic concrete.

The various members shall be measured on the ground before erection.

No measurement shall be taken of forms.

Reinforcement shall be measured separately as provided under reinforcement.

The unit of measure for erection shall be the pound weight of the finished member.

Cast concrete with crushed stone or gravel aggregate shall be assumed to weigh 150 pounds per cubic foot.

(c) Cast Concrete Trim and Ornamental Work.—Cast concrete building trim shall be measured by the cubic foot, but the measurement shall be the smallest cube which will contain the piece measured and not the actual net volume of the piece.

No allowance shall be made for forms.

Mitre blocks for cornices, etc., shall be measured separately from straight molded work.

Circular work shall be measured separately from other work.

Vases, seats, pedestals, balusters, and other similar items shall be taken by number and description.

No allowance shall be made for reinforcement.

No allowance shall be made for surface finish.

(d) Sidewalks.—Sidewalks shall be measured by the square foot.

The one measurement shall include concrete finish, lining in squares, and cinder or stone foundation.

Curbs and curb and gutter work shall be measured by the lineal foot and separated according to character and size, and shall include foundations, forms, finish, and cost of special tools, if any.

In measuring curbs the full height, width or thickness shall be taken.

The measurement of sidewalks shall be taken the full width.

Circular corners and curbs and gutters shall be measured separately by number, stating radius and length measured on the curve.

Vault lights shall be measured by the square foot, the measurement to include glass, forms, steel and finish. Beams under vault lights shall be measured by the lineal foot. In measuring vault lights the measurement shall go at least 4 inches beyond the outside line of the glass in each direction.

## 2. Forms.

The unit of measure for form work shall be the square foot of actual area of the surface of the concrete in contact with the forms or false work.

Forms shall in every case be measured and described as a separate item and in no case shall the measurement of concrete be taken to include forms.

No deduction shall be made in the measurement of surface of concrete supported by forms because of forms being taken down and reused two or three times in the course of construction.

The unit price for superficial measurement of forms shall be deemed to include the cost of struts, posts, bracing, and bolts, wire ties, oiling and cleaning and repairing forms.

No allowance shall be made for angle fillets or bevells to beams and columns, etc., but



curved moldings shall be measured and described separately as hereinafter provided.

No deduction in measurement of forms shall be made for openings having an area of less than twenty-five (25) square feet.

No deduction shall be made in column and girder forms for ends of girders, cross beams, etc.

No allowance shall be made for pockets in column forms for clearing out rubbish.

The measurement of column forms shall be the sum of the girth of the sides or circumference multiplied by the height from the noor to under side of floor slab above.

The measurement of beam forms shall be the net length between columns multiplied by the sum of the breadth and twice the depth below the slab, except for wall beams and other beams at an edge of floor, which shall have the thickness of the floor slab added to twice the depth.

Wall forms shall be measured for both sides of concrete wall when forms are required for both sides.

Allowance shall be made by number for pockets left for future beams.

Forms to octagonal, hexagonal, and circular columns shall be measured and described separately from forms to square columns.

Caps and bases to columns and other ornamental work shall be measured by number and fully described over all dimensions.

The curved moldings in form work shall be measured by the lineal foot.

Forms to circular work shall always be measured separately from forms to straight work.

No measurement or allowance shall be made in slabs or beams for construction joints to stop the day's concreting.

Construction joints or expansion joints to dams and other large masses of concrete shall, however, be measured.

Forms to cornices shall be measured by the lineal foot, and the girth stated. (The term girth shall be taken to mean the total width of all curved and straight surfaces touched by the forms.) Plain forms to back of cornice to be measured separately.

Forms to different parts of structural building shall be measured and described separately according to their position in the building and cost and character of the work involved.

Forms to window sills, copings, and similar work in situ shall be measured by the lineal foot.

Forms to the upper side of sloping slabs such as saw tooth roofs shall be measured whenever the slope of such slab with the horizontal exceeds an angle of 25 degrees.

Forms to the under side of stairs shall be measured by the superficial foot.

Forms to the front edge of the stairs shall be measured by the lineal foot.

Forms to the ends of steps shall be measured by number of risers.

### 3. Steel Reinforcement.

The unit of measure of steel reinforcement shall be the pound weight.

Steel rods for reinforcement shall be measured the net weight placed in the building.

The weight shall be calculated on the basis of a square bar 1 inch by 1 inch by 12 inches, weighing 3.4 pounds.

No allowance shall be made for rolling margin.

No allowance shall be made for cutting or waste.

No allowance shall be made for wire ties, spacers, etc.

In estimating reinforcement the bars shall be measured by the lineal foot as laid. All laps shall be allowed for.

The bars of each different size shall be measured and described separately, as also straight bars, bent bars, stumps, and hoop-ing.

Pipe sleeves, turnbuckles, clamps, threaded ends, nuts, and other forms of mechanical bond shall be measured separately by number and size and allowed for in addition.

Wire cloth, expanded metal, folded fabric and other steel fabrics sold in sheets or rods, shall be measured and described by the square foot. The size of mesh steel in tension and weight per square foot shall be stated. No allowance shall be made for waste, cutting, etc.

Deformed bars shall be measured separately from plain.

### 4. Surface Finish.

The unit of measure for finish of concrete surfaces shall be the square foot. Finish shall always be measured and described separately.

No measurement or allowance shall be made for going over concrete work after removing of forms and patching up voids and stone pockets, removing fins, etc.

Granolithic finish shall be measured by the square foot and shall include all labor and materials for the specified thickness.

Finish laid integral with the slab shall be measured separately from finish laid after slab has set.

No allowance shall be made for protection of finish with sawdust, sand or testing.

Grooved surfaces, gutters, curbs, etc., shall be measured separately from plain granolithic and shall be measured by the square foot to lineal foot, as the case may require.

The following shall be measured by the square foot:

- Cement wash (state how many coats).
- Rubbing with carborundum.
- Scrubbing with wire brushes.
- Tooling.
- Picking; plastering, etc.

The finest automobile will not run when the tank is empty, and the finest space can not pull unless it is filled with copy that grips interest.—“Printer's Ink.”

While it pays to think, it is thought in action that puts money in the bank.—Exchange.

Are you a regular subscriber to “The Guide”?

### A New Authority in Architecture.

(Continued from page 626.)

tended for the safety of those who must spend their working hours in such buildings. The tower in this case is on the outside of the building. There must be no opening in this tower, except as may be necessary to provide daylight and a self-closing fireproof door at each floor connecting with a fireproof open-air balcony or vestibule giving access to the stairs in the tower.

The Metropolitan specifications also require a sprinkler system. Stairs must not be less than 40 inches in width between the handrail and the wall, and 44 inches between two walls. There must be handrails on both sides of all staircases and there must be no windows. Doors to exit stairs and fire-escapes shall swing outward and in such a manner as not to obstruct the minimum required width of stairs and landing.

All window frames and sashes in this building, including sashes on the street front above the hundred foot level, must be either kalamein or hollow metal, glazed with wire glass. Sashes on the street front below the hundred feet level may be of wood.

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Mortgage consideration .....	881,481.98
Ground rent consideration.....	2,979.00
Which on a six per cent. basis amounts to .....	51,650.01



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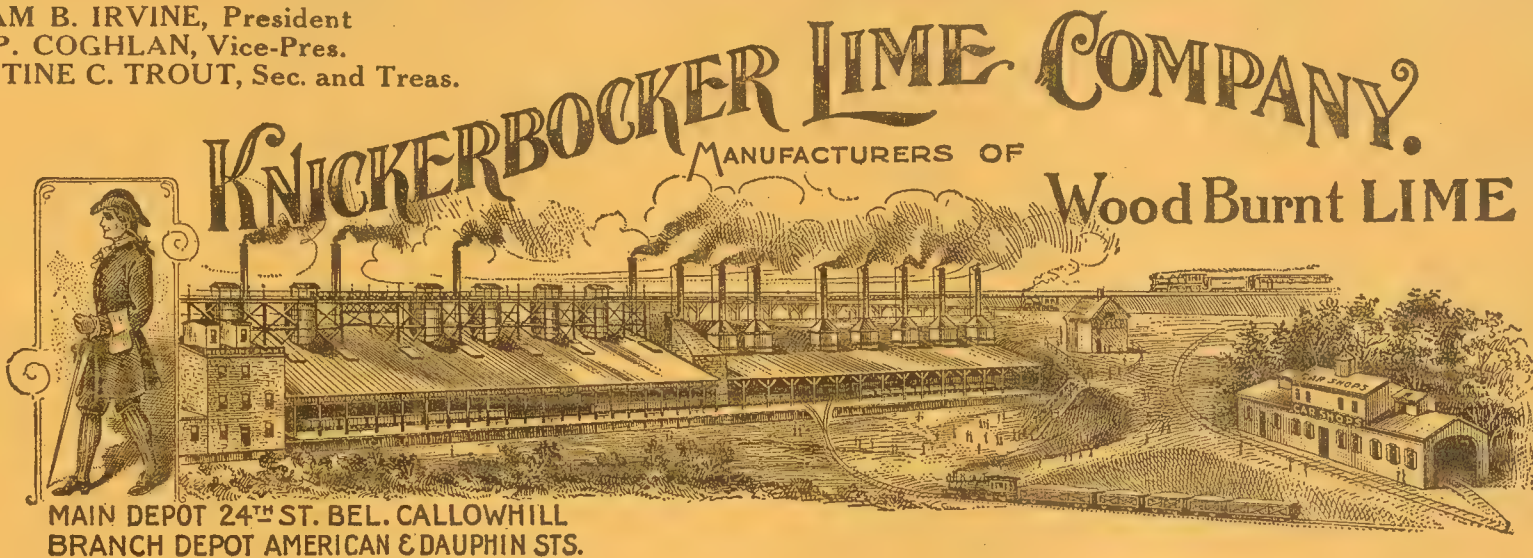
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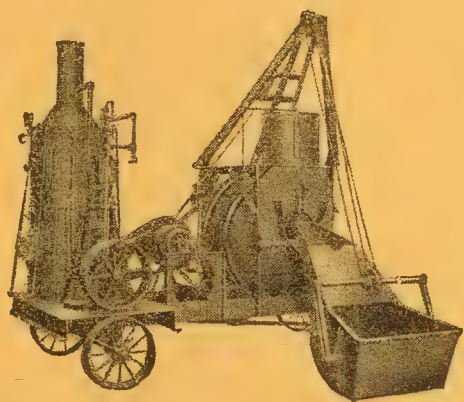
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Vol. XXVII., No. 40.

PHILADELPHIA, WEDNESDAY, OCTOBER 2, 1912.

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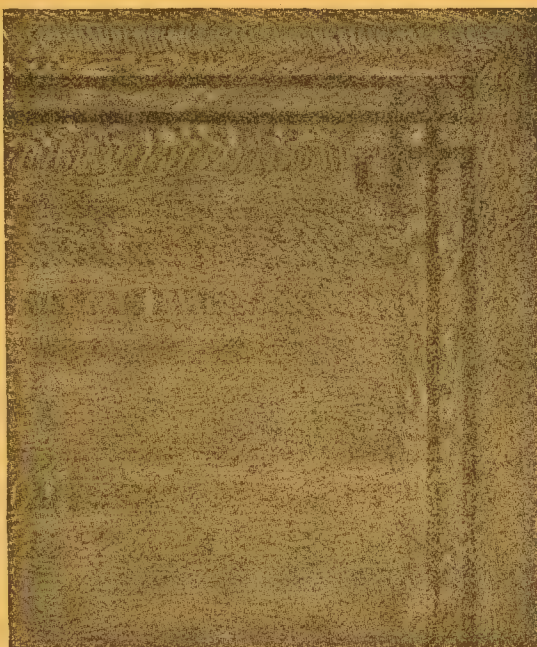
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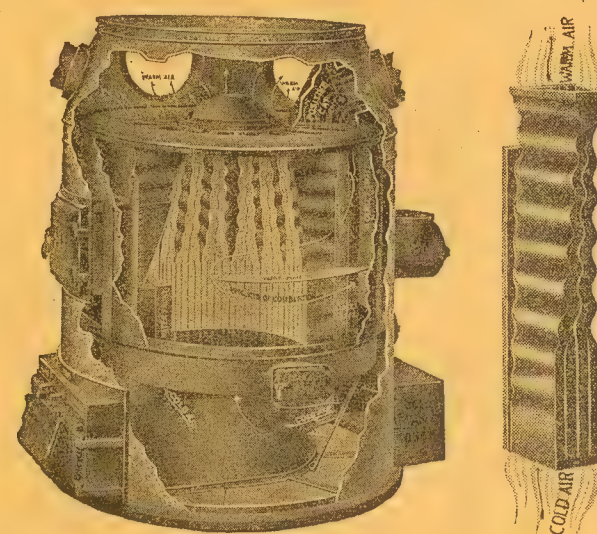
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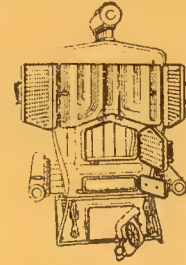
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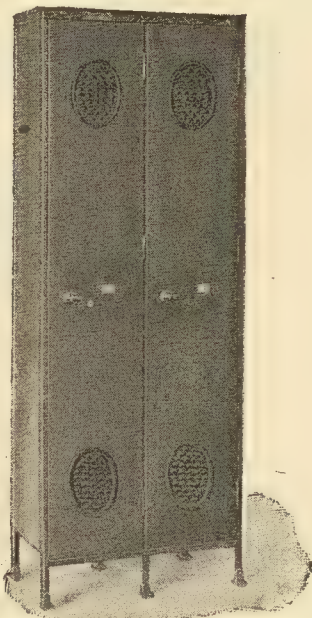
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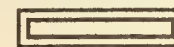
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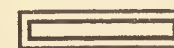


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Vol. XXVII., No. 40.

PHILADELPHIA, WEDNESDAY, OCTOBER 2, 1912.

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## Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Stable (alt. and add.),** Twenty-sixth and Jefferson streets. Architect, O. R. Parry, 1723 Chestnut street. Owners, the Wills Jones-McEwen Company, 6655 Germantown avenue. Brick and concrete, two stories, slag roof, electric light. Architect has received bids.

**Building (alt. and add.),** 320 North Third street. Architect, W. E. S. Dyer, Land Title Building. Owner, W. E. Jones, 320 North Third street. Brick, five stories, electric light, elevators. Architect has received bids.

**Warehouse,** Tenth and Berks streets. Architects and engineers, William Steele & Sons, 1600 Arch street. Owner, N. Snellenburg, Twelfth and Market streets. Brick and concrete, fireproof, eight stories, 155x297 feet. Slag roof, electric light, steam heat, elevators. Builders, William Steele & Sons, are taking sub-bids, due October 4th.

**Stores and Apartments,** St. Charles place and Delaware avenue, Atlantic City, N. J. Architects, Magaziner & Potter, 137 South Fifth street. Owners, Samuel Seltzer & Bros., Atlantic City. Brick and steel, three stories, 72x100 feet. Slag roof, electric light, hot water heat. Architects taking bids, due October 7th. The following are figuring: Irwin & Leighton, 126 North Twelfth street; H. L. Brown, 1714 Sansom street; Sax & Abbott, Hale Building; J. B. Flounders, 1329 Arch street; Stacey Reeves & Sons, 1609 Filbert street, Philadelphia, and the following all of Atlantic City, N. J.: Amsterdam Fireproofing Company; C. D. Thompson, S. S. Headley, A. W. Reilly, J. Mathis, Thompson Brothers and Ingersol & Weeks.

**Laundry Building,** Penn and Chew streets, Germantown, \$10,000. Architects, Harris & Richards, Drexel Building. Owners, Germantown Hospital, on premises. Brick, two stories. Plans in progress.

**Hotel (alt. and add.),** Harrisburg, Pa. Architect, Albert Kelsey, Perry Building. Owner, Hotel Bolton, on premises. Consists of interior alterations and additions. Plans in progress.

**Residence (remodeling),** Rydal, Pa. Architect, F. G. Caldwell, Stephen Girard Building. Owners, Rydal Land Company, on premises. Stone, three stories. Plans in progress.

**Store (alt. and add.),** Twelfth and Morris streets. Architects, Milligan & Pierson, 520 Walnut street. Owners, Albert Kayser Bros., 1653 Passyunk avenue. Brick, three stories, slag roof (steam heat and electric light reserved). Owners have received bids.

**Buildings (3),** Skillman, N. J. Architect, Department of Correction and Charities, Trenton, N. J. Owners, State of New Jersey. Brick and frame, one and two stories, slate roof, electric light. Consists of one shack, one barn and one cottage. Owner taking bids, due October 3rd. Metzger & Wells, Heed Building, are figuring.

**Stable and Garage,** Bryn Mawr, Pa. Architects, Brockie & Hastings, 1713 Sansom street. Owner, John V. Hastings, Bryn Mawr, Pa. Stone, brick and plaster, two stories, 32x57 feet. Shingle roof, electric light, steam heat. Architects taking bids, due October 3rd. The following are figuring: F. E. Wallace, 1210 Sansom street; J. D. Lengle, Wayne, Pa.; Gray Brothers, Rosemont, Pa.; G. L. Croll, Bryn Mawr, Pa.

**Fire Tower,** 1712 Chestnut street. Architects, Seymour & Paul A. Davis, 1713 Sansom street. Owners, Presser & Co., Presser Building. Brick, four stories, electric light. Architects have received bids.

**Residence (remodeling),** Glenside, Pa. Architect, Frank Seeburger, Pennsylvania Building. Owner, Frank X. Renninger, 149 South Broad street. Stone and timber, two and one-half stories. Shingle roof, hot water heat. Architect taking bids, due October 3rd. The following are figuring: F. L. Hoover & Sons, Builders' Exchange; M. E. Hauser, Glenside, Pa.; William Resmier, Glenside, Pa.; W. T. Godfrey, Remlu, Pa.; Linford Sperry, Glenside, Pa.; Henry Specht, Jr., Willow Grove, Pa.; Krewson Brothers, Glenside, Pa.; George E. Blake, Glenside, Pa.

**Residence (alt. and add.),** Chestnut Hill, Pa. Architects, Thomas, Churchman & Molitor, 1309 Walnut street. Owner, J. J. Sullivan, Chestnut Hill, Pa. Brick and stone, slate roof, electric light. Architects taking bids, due October 5th. The following are figuring: J. G. Doak & Co., Crozer Building; Charles McCaul Company, Tenth and Sansom streets; Samuel Harting, 20 East Johnston street, Germantown; Metzger & Wells, Heed Building; F. W. Allison, 1710 Rittenhouse street; A. L. Fretz & Sons, 1222 Chancellor street.

**Stable,** Enfield, Pa. Architects, Thomas, Churchman & Molitor, 1309 Walnut street. Owner, W. A. M. Fuller, Enfield, Pa. Frame, two stories, 54x37 feet. Shingle roof, electric light, hot water heat. Architects taking revised bids, due October 4th. The following are figuring: Metzger & Wells, Heed Building; Samuel Harting, 20 E. Johnston street,

Germantown; A. L. Fretz & Sons, 1222 Chancellor street.

**Residence,** Oak Lane, Pa. Architect, private plans. Owner, H. E. Martin, care of Philadelphia Saving Fund, Seventh and Walnut streets. Stone and plaster, two and one-half stories, 23x42 feet, hardwood floors, electric light, hot water heat, slate roof. Owner taking revised bids, due October 3rd. The following are figuring: Thomas M. Seeds, 1207 Race street; John N. Gill & Co., Heed Building; Metzger & Wells, Heed Building; George Kessler, Drexel Building; J. S. Cornell & Sons, Land Title Building.

**Garage,** Trenton avenue and Westmoreland street. Architect, R. E. White, Pennsylvania Building. Owner, Owen Letters & Son, on premises. Brick, one story, 50x90 feet. Slag roof, electric light. Architect has received revised bids.

**Garage,** Broad and Rockland streets. Architect, S. L. Ovington, 3510 North Eleventh street. Owner, Frank LeFlem, 1131 Tioga street. Brick and stone, Indiana limestone, two stories, 55x176 feet. Slag roof, electric light, steam heat. Owner taking bids, due October 4th. M. Schmid, 1308 North Sixth street, is figuring.

**Residence,** Greenwich, N. J. Architects, Morris & Erskine, Crozer Building. Owner's name withheld. Brick and plaster, two and one-half stories, 60x40 feet. Plans in progress.

**Bungalow,** Browns Mills, N. J. Architects, Druckenmiller, Stackhouse & Miller, Land Title Building. Owner's name withheld. Frame, two stories, 22x38 feet, shingle roof, hot air heat, hardwood floors, electric light. Architects taking bids, due October 3rd. The following are figuring: Erlin & Harker, Browns Mills, N. J.; J. B. Rowen, Moorestown, N. J.; J. B. Reilly, Pleasantville, N. J.

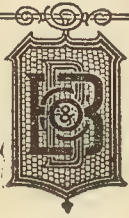
**Stores and Apartments (alt. and add.),** Logan, Philadelphia. Architects, Stueckert & Sloan, Crozer Building. Owners, Kahn & Greenberg, Thirteenth and Walnut streets. Brick, three stories, 30x117 feet. Electric light, slag roof, steam heat. Plans in progress.

**Hospital (add.),** Sayre, Pa. Architects, McCormick & French, Wilkes-Barre, Pa. Owners, Robert Packer Hospital, Sayre, Pa. Brick and terra cotta, one story, 94x88 feet. Slate and slag roof, electric light, steam heat. Architects have received bids.



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**Residence (alt. and add.)**, Mascher and Susquehanna avenue. Architects, Magaziner & Potter, 137 South Fifth street. Owner, Dr. Lewis H. Jacob, on premises. Brick, one story, slag roof, electric light, hot water heat. The following are figuring: Lam Building Company, 1001 Wood street; M. Morrison, 2322 North Howard street; W. R. Campbell, 2411 North Hancock street; H. Gill, Jr., 2200 Germantown avenue; Stacey Reeves & Sons, 1609 Filbert street.

**Apartment House**, Fifty-fifth and Walnut streets. Architect, E. Allen Wilson, 1210 Chestnut street. Owner, Henry McCosker, 660 North Thirty-ninth street. Brick, two stories, 20x70 feet. Slag roof, electric light, hot water heat. Owner taking bids. W. A. Patterson, 5331 Vine street, is figuring.

**Warehouse**, Twenty-first and Arch streets. Cost, \$100,000. Architect, F. A. Hayes, 1524 Chestnut street. Owner, W. H. Maule, 1707 Filbert street. Brick, fireproof, eight stories, 60x100 feet, elevators, steam heat, electric light, slag roof. Plans about completed.

**Garage (alt.)**, 661 North Broad street. Architects, Anderson & Haupt, Drexel Building. Owner, Charles Goldman, 731 Walnut street. Brick, three stories, steam heat, electric light, elevators. Plans in progress.

**Theatre and Two Stores**, Cambridge, Md. Architects, Anderson & Haupt, Drexel Building. Owners, Philadelphia Film Exchange, 121 North Ninth street. Brick, one story, 90x180 feet, slag roof, electric light, steam heat. Plans completed. Architects will take bids.

**Market House**, Forty-ninth and Baltimore avenue, \$6,000. Architects, Milligan & Pierson, 420 Walnut street. Owner, J. O'Neill, Crozer Building. Brick, one story, 40x100 feet. Slag roof, electric light, steam heat. Architects taking bids, due October 5th. The following are figuring: D. T. McCarthy, 411 Walnut street; A. Whitehead, 1624 Latimer street; L. Tonkin, 425 Greenwich street; W. Uhler, 1841 South Broad street.

**Moving Picture Theatre**, Richmond and Clearfield streets. Architect, E. Allen Wilson, 1208 Chestnut street. Owners, McCartney & Redmond, care of architect. Brick, one story, 190x72 feet, slag roof, steam heating, electric lighting. Plans in progress.

**Residence (alt. and add.)**, 1222-24 Walnut street. Architects, Stearns & Castor, Stephen Girard Building. Owner, Louis Stecher, 420 Market street. Brick, four stories, slag roof, electric light, steam heat. Architects taking bids, due October 6th. The following are figuring: Lam Building Company, 1001 Wood street; John N. Gill & Co., Heed Building; Smith-Hardican Company, 1606 Cherry street.

**Residence (alt. and add.)**, Locust avenue, Germantown. Architect, W. F. Price, 714 Walnut street. Owner, W. P. Shipley, Morris Building. Plaster, three stories, tin roof, electric light. Architect taking bids, due October 4th. H. E. Grau Company, 1707 Sansom street; Ballinger & Co., 218 North Thirteenth street, are figuring.

**School**, Third and Mifflin streets. Architect, J. H. Cook, Land Title Building. Owners, Board of Education, City Hall. Brick and stone, fireproof, four stories. Plans completed. Owners taking bids, due October 15. **uFactory (add.)**, Lester, Pa. Architects, Ballinger & Perrot, 1211 Arch street. Owners, Lester Piano Company, Lester, Pa. Brick, four stories, steam heat, slag roof, electric light. Architects taking bids, due October 7th. The following are figuring: William Provost, Chester, Pa.; Nolan Brothers, Chester, Pa.; H. H. Burrell, 1204 Chancellor street; P. J. Hurley, 1233 Cherry street; Burd P. Evans Company, Thirteenth and Wallace streets; R. Brown, 2145 East Firth street; B. Ketcham's Sons, 1029 Brown street.

**Residence**, Drexel Hill, Pa. Architect and owner, W. W. Trout, 2406 Master street. Plaster, two stories, 29x30 feet. Shingle roof, electric light, hot air or hot water heat. Owner taking bids, due October 5th. William R. Dougherty, 1608 Sansom street, is figuring.

**Building (alt. and add.)**, 3036 Kensington avenue. Architects, Milligan & Pierson, 520 Walnut street. Owner, Mr. Carrol, care of architects. Brick, two stories, slag roof, electric light. Architects taking bids, due October 2nd. The following are figuring: Lam Building Company, 1001 Wood street; D. T. McCarthy, 411 Walnut street; L. Tonkin, 425 Greenwich street.

## Contracts Awarded

**Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.**

**Stable and Garage**, Camp Hill, Pa., \$10,000. Architects, Stewartson & Page, 320 Walnut street. Owner, Antelo Devereux, on premises. Stone, two stories, slate roof, electric light, steam heat. Contract awarded to J. S. Cornell & Sons, Land Title Building.

**Chapel (alt. and add.)**, Forty-fourth and Market streets, \$3,000. Architects, Brockie & Hastings, 1713 Sansom streets. Owners, Pennsylvania Hospital for Insane, on premises. Brick, fireproof, interior alterations and new partitions. Contract awarded to J. S. Cornell & Sons, Land Title Building.

**Home**, Cheltenham, Pa., Architect, C. Campbell, 618 Duncannon street. Owners, Red Men's Home, Cheltenham, Pa. Brick, two stories, 25x149 feet. Slag roof, electric light, hot water heat. Contract awarded to L. D. Stites, 142 Herman street, Germantown.

**Store (2)**, Fifty-second and Market streets. Architects, C. F. Parker, 1227 South Hiller street. Owner, William Freihofer, Twentieth

and Allegheny avenue. Brick, two stories, 32x50 feet. Slag roof, electric light, steam heat. Contract awarded to Philip Haiback Contracting Company, Twenty-sixth and Thompson streets.

**Dormitories (add.)**, Cheyney, Pa. Architects, Morris & Erskine, Crozer Building. Owners, Institute for Colored Youth, Cheyney, Pa. Stone, two and one-half stories, 106x40 feet. Slate roof, steam heating. Contract awarded to R. C. Ballinger, 218 North Thirteenth street, but not yet signed.

**Building (alt. and add.)**, 1004 Race street, \$5,000. Architects, Ballinger & Perrot, 1211 Arch street. Owners, George Miller & Sons, on premises. Brick, electric light, slag roof, steam heat. Contract awarded to Lam Building Company, 1001 Wood street.

**Factory**, Thirtieth and Master streets. Architects, Peuckert & Wunder, 310 Chestnut street. Owner, J. M. H. Walters, Thirtieth and Master streets. Brick and concrete, four stories, 144x50 feet. Slag roof, elec-



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tric light, steam heat. Contract awarded to P. Haiback Contracting Company, Twenty-sixth and Thompson streets.

**Store Building**, 923 Walnut street (alt. and add.). Architect, H. L. Reinhold, 1309 Walnut street. Owner, Julius Wellner, 905 Walnut street. Plaster and brick, two stories. Contract awarded to Gaffney & Co., 130 North Twelfth street. Note change of contractor.

**Residence (alt. and add.)**, Chestnut Hill, Pa. Architects, Duhring, Okia & Zeighler, Bailey Building. Owner, G. Remak, Jr., Chestnut Hill, Pa. Frame, two and one-half stories, slate roof. Contract awarded to F. B. Davis, 35 South Seventeenth street.

**Cow Barn and alt. and add. to Dining Room**, Byberry Farms, Pa. Architect, P. H. Johnson, Land Title Building. Owners, City of Philadelphia, care of Dr. J. S. Neff, City Hall. Stone and frame, one story, 39x120 feet, asbestos shingle roof. Dining room, brick, one story, slate roof, electric light. Bids were opened as follows: W. E. Dotts, cow barn, \$8,668; dining room, \$4,666. M. P. Wells, cow barn, \$9,500; dining room, 4,200. J. W. Emery, cow barn, \$7,744; dining room, \$4,644. A. Rogers, Holmesburg, Pa., \$2,700.

**Residence**, St. Davids, Pa., \$100,000. Architect, D. K. Boyd, northeast corner Fifteenth and Walnut streets. Owner, Charles S. Walton, Third and Vine streets. Stone, two and one-half stories, 125x60 feet. Tile roof, electric light, hardwood floors, atmospheric heat. Contract awarded to J. D. Lengle, Wayne, Pa.

**Theatre**, Frankford avenue and Margaret street. Architect, J. D. Allen, Denckla Building. Owner, W. Freihofer, care of architect. Brick, fireproof, one story, 98x185 feet, slag roof, electric light, steam heat. Contract

awarded to Irwin & Leighton, 126 North Twelfth street, but not signed.

**Art Gallery**, Germantown, Pa. Cost, \$1,800. Architects, Druckenmiller, Stackhouse & Williams, Land Title Building. Owner, C. K. Smith, 9201 Germantown avenue. Brick and stone, two stories, 25x25 feet, electric light, slate roof, hot water heat. Contract awarded to J. E. Walt, Chestnut Hill, Pa.

**Garage**, Wayne avenue and Horter street. Architects, Duhring, Okie & Zeighler, Bailey Building. Owner, Franklin Baker, Jr., on premises. Plaster, one story, 22x31 feet, shingle roof, electric light. Contract awarded to F. B. Davis, 35 South Seventeenth street.

**Club House**, Princeton, \$70,000. Architects, Mellor & Meigs, Lafayette Building. Owner, the Charter Club, Princeton, N. J. Stone, two and one-half stories, 120x50 feet, slate roof, vapor heating, hardwood floors, electric lighting. Contract awarded to H. L. Brown, 1714 Sansom street.

**Residence (alt. and add.)**, Media, Pa., \$7,500. Architect, Frederick J. Ritter, Washington Hotel, Seventh and Dauphin streets. Owner, Joseph Richardson, Media, Pa. Brick, three stories, slate roof, oak floors. Contract awarded to J. B. Flounders, 1329 Arch street.

**Hotel (add.) and Boiler House**, Wernersville, Pa., \$130,000. Architects, Stout & Reibenack, Atlantic City, N. J. Owners, Galen Mountain Company, Atlantic City, N. J. Stone, seven stories, boiler house, 25x40 feet. Steam heat, electric light, slag and slate roof, elevators. Contract awarded to H. L. Brown, 1710 Sansom street.

**High School**, Salem, N. J., \$65,000. Architects, Guilbert & Betell, 62 West Forty-fifth street, New York City. Owners, Board of Education, Salem, N. J. Brick, stone and terra cotta (concrete floors), two stories, 126x61 feet, slate roof. Contract awarded to J. S. Rogers Company, Moorestown, N. J.

Reiner & Byers (O.), 4842 Hawthorne street. Cost, \$6,000. Two dwellings, brick, two stories, 15x54 feet, Oakland and Frankford avenue. Cost, \$2,500. One dwelling.

William Broadhead (O.), 1157 East Cheltenham avenue. George & Borst, 277 South Eleventh street. Cost, \$6,000. Hall, brick, two stories, 40x43 feet, 1324 Melon street.

Charles W. Young & Co. (O.), 1255 North Twenty-sixth street. P. Haiback Contracting Company (C.), Twenty-sixth and Thompson streets. Cost, \$26,000. Warehouse, brick, two stories, 37x65 feet, on premises.

Archibishop E. F. Prendergast (O.), Eighteenth and Race streets. W. J. McShane (C.), 417 North Thirteenth street. Cost, \$32,600. Parish house, stone, one story, 72x122 feet, Twenty-third and Mifflin streets.

Myer Magill (O.), 532 North Marshall street. Reliable Building Company (C.), 314 Reed street. Cost, \$4,000. Store and dwelling, brick, three stories, 15x37 feet, 867 North Fourth street.

Dr. George Woodward (O.), 709 North American Building. J. A. Gerhart (C.), 225 Allen lane. Cost, \$7,000. Dwelling, stone, three stories, 32x50 feet. Charlton and Nip-pin street. Cost, \$1,000. Dwelling, stone, 7921 Germantown avenue.

Pennsylvania Salt Manufacturing Company (O.), Philadelphia. Bollinger-Andrews Construction Company (C.), Pittsburgh, Pa. Cost, \$80,000. Factory, brick, one story, 81x222 feet, Shunk and Delaware avenue. Cost, \$100,000. Factory, one story, brick, 101x275 feet.

Ontario Land Company (O.), Delaware avenue and Wensley street. William Steele & Sons Company (C.), 1600 Arch street. Cost, \$23,000. Saw mill, brick, one story, 154x72 feet.

John Loughman, 2238 North Broad street. Cost, \$2,500. Stores, brick, two stories, 16x52 feet. Lawrence and Rockland streets. Cost, \$35,700. Seventeen dwellings.

J. M. Snyder (O.), Lincoln Drive and Upsal street. Cost, \$5,000. Two dwellings, stone, three stories, 27x36 feet, 422-24 West Upsal street.

E. A. & B. L. Carroll (O.), Sixtieth and Girard avenue. Cost, \$6,000. Two dwellings, stone, three stories, 20x21 feet, Westview and Greene streets.

Harold Irwin (O.), 721 Walnut street. Cost, \$105,400. Thirty-one dwellings, brick, two stories, 16x60 feet. Ninth and Wingohocking streets.

R. W. Struse (O.), Walnut lane, Manayunk. Cost, \$12,000. Six dwellings, brick, two stories, 15x40 feet, Manayunk, Philadelphia.

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Lit Brothers (O.), Eighth and Market streets. John N. Gill & Co. (C.), 1213 Filbert street. Cost, \$1,000. Boiler room, 1725 North street.

E. J. Harley (O.), 1842 Market street. A. Hitehead (C.), 1624 Latimer street. Cost, \$2,000. Saloon, 1842 Market street.

All Saints' Church (O.), Eleventh and Snyder avenue. W. G. Uhler (C.), 1841 South Broad street. Cost, \$3,000. Sunday school.

Walter Lippincott (O.), 2101 Walnut street. George G. Sloan (C.), 2021 Sansom street. Cost, \$4,725. Dwelling, 118 South Twenty-first street.

Berg Distilling Company (O.), Swanson and Tasker streets. M. P. Wells (C.), Wither-spoon Building. Cost, \$650. Office.

Benj. Stembler (O.), Marshall and Poplar streets. Baker & Cohen (C.), 936 North Fourth street. Cost, \$3,500. Dwelling, 988 North Marshall street.

Fox Gun Metal Company (O.), Eighteenth and Windrim streets. Charles Knabb (C.), 2145 East Batterly street. Cost, \$3,400. Manufacturing.

Union Paper Company (O.), Manayunk, Pa. Cost, \$1,500. Boiler house.

Evans Memorial (O.), Land Title Building. Pomeroy Construction Company (C.), 1609 Ranstead street. Cost, \$495,000. Museum. Brick, three stories, 290x175 feet, Fortieth and Spruce streets.

J. H. Hartley (O.), 3402 H street. J. W. Mortimer (C.), 3024 E street. Cost, \$1,500. Two dwellings, two stories, brick, 14x36 feet, 855 East Russell street.

John Armstrong (O.), Broad and South streets. Harry Miller (C.), 427 Catharine street. Cost, \$3,500. Store and dwelling, brick, three stories, 16x55 feet, Fifth and Delancey streets.

T. J. Beck & Sons (O.), 3320 North Broad street. W. H. Schultz (C.), 3340 North Carlisle street. Cost, \$2,200. Shop, brick, two stories, 25x73 feet. Carlisle an Ontario streets.

Fred Schwearer (O.), 1609 North Front street. Robert Beatty & Bro. (C.), 2321 East Fletcher street. Cost, \$3,000. Manufacturing, brick, two stories, 30x77 feet.



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Charles Livingston (O.), 2256 North Broad  
street. Smith Hardican Company (C.), 1606  
Cherry street. Cost, \$4,000. Dwelling.

Ed. Calby (O.), 5243 Market street. A  
Whitehead (C.), 1624 Latimer street. Cost,  
\$2,000. 5254 Market street.

H. C. Carlisle (O.), 5612 Spruce street.  
George C. Fossell (C.), 128 East Cheltenham  
avenue. Cost, \$1,250. Dwelling.

Hale & Kilburn Company (O.), Nineteenth  
and Glenwood avenue. Charles P. Biggin  
Company (C.), 1829 Harlan street. Cost,  
\$700. Factory.

R. B. Brinton (O.), 5900 Drexel Road, Mil-  
ton W. Young (C.), Overbrook, Pa. Cost,  
\$700. Dwelling.

J. A. Costell (O.), 4045 North Broad  
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zerne streets. Cost, \$1,300. Dwelling, brick,  
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## Architectural Notes

The report of the Committee on Repeal of  
the Tarsney Act to the American Institute is  
the cleanest cut presentation of the arguments  
in favor of that act which we have seen any-  
where. Although the repeal carried and the  
Tarsney Act is no more, "The Guide" deems  
the report of sufficient general interest to  
merit a place in these pages.

"September 19, 1912.

"Mr. Walter Cook,

"President, American Institute of Archi-  
tects, 3 West 29 St., New York City.

"Dear Sir:—It is with profound regret that  
I have to report the repeal of the Tarsney  
Act. The efforts of your committee, together  
with those of architects in general throughout  
the country, and many members of the Senate  
and House of Representatives, as well as  
many leading citizens and newspapers, to  
prevent the repeal of the law, have failed, and  
after having been in operation for about fif-  
teen years, the act has been stricken from the  
statute books.

"Upon receipt of your letter of June 7,  
1912, appointing a special committee to take  
such action against the repeal as might be pos-  
sible, immediate steps were taken to do what-  
ever might be done. The proposed repeal  
came as a surprise, it being generally believed  
among architects that the law was satisfac-  
tory, and that the improvement in govern-  
ment architecture effected by its operation  
was generally recognized. Your committee  
conferred with the President, and with vari-  
ous members of the House and Senate. The  
Chapters were notified by wire and a later  
notice was sent to every member of the Insti-  
tute. The aid of the Federation of Art was  
enlisted, and many letters were sent to prom-  
inent citizens all over the country. The ef-  
fort was continued along this line until the  
last week in August. Members of the In-  
stitute all over the country gave assistance  
to the committee, and architects not members  
of the Institute also co-operated in the most  
gratifying way. The active work of the com-  
mittee naturally devolved upon those mem-  
bers to whom Washington was most accessi-  
ble, although most valuable advice and assist-  
ance was received from those who were not  
able to take up the labors so actively.

"The efforts to prevent the repeal received  
the hearty co-operation and support of the  
various art societies throughout the country,  
and of such organizations as the Merchants'  
Association of New York. The leading news-  
papers opposed the repeal and many of them  
contained strong editorials on the subject.

"The history of the case is as follows: The  
Sundry Civil bill as submitted to the House  
of Representatives by its Committee on Ap-  
propriations, carried a clause repealing the  
Tarsney Act, and that portion of the bill con-  
taining the repealing clause got its first read-  
ing in the House prior to the appointment of  
your committee. At its first reading any mem-  
ber of the House could have objected to the  
repealing clause as new legislation, and it  
would have been stricken from the bill under  
the rules, but the friends of the Tarsney Act  
were not forewarned and the clause went  
through without realization on their part of  
what was involved. It was then too late to  
have it taken out without a majority vote of  
the House, which was impossible to obtain as  
the repeal was distinctly a majority meas-  
ure. Upon the final acceptance of the Sundry  
Civil bill by the House, the matter was taken  
up in the Senate where the Committee on Ap-  
propriations eliminated the repealing clause  
and the bill as it passed the Senate did not  
provide for repeal, so it went to conference.  
The House conferees, Messrs. Fitzgerald,  
Sherley and Cannon, had strong personal feel-  
ing in favor of the repeal. While the Senate  
conferees were naturally anxious to sustain  
the attitude of the Senate, they apparently  
had little personal feeling one way or the  
other, and they finally gave in. It was stated  
by Senator Warren that the repeal was the  
last of the 289 amendments upon which the  
Senate managers yielded.

"Those responsible for the repeal, while  
they may feel satisfaction at having succeeded  
in their effort, cannot have any pride in the  
method by which it was brought about. It  
was really put through by depriving the Sen-  
ate and the President of their constitutional  
privilege as co-ordinate branches of the gov-  
ernment. The repeal never actually came be-  
fore the House in a way to be voted on on its  
merits, for the House managers would not  
consent to make the repeal a separate matter  
and it could be defeated only by failure to  
pass the Sundry Civil bill, one of the most  
important of the general appropriation bills.  
In the opinion of your committee the repeal  
does not represent the sentiment of Congress,  
but is an example of the coercive power of  
the leaders of the House.

"Members of your committee had two con-  
ferences with Messrs Fitzgerald and Sherley,  
who could at any time have stopped all pro-  
ceedings against the law, and were heard with  
patience, but failed to shake them from their  
position or to get from them any tangible



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reasons for the repeal beyond the statement that the law gave too much discretion to the Secretary of the Treasury, and that the government building system is in bad shape and the first step necessary for a complete reorganization was the repeal of the Tarsney law. Various instances were given where additional appropriations were necessary to complete Tarsney Act buildings, but the reply of your committee to this was that Congress was frequently responsible for such cases, and where it was not, the Treasury Department had full control of the situation. It was also stated that there had been much dissatisfaction with certain matters in connection with the new building for the Bureau of Engraving and Printing, the new Washington Post Office, the Boston Custom House, etc., none of which are under the Tarsney law. In fact none of the criticism had any direct bearing on the law save the one that it gave too much discretion to the Secretary of the Treasury, and this seems rather far-fetched when the great powers of the secretary in other directions are considered.

What weight was attached to the reports submitted to the House by its Committee on Expenditures on Public Buildings and the Committee on Expenditures in the Treasury Department, both of which recommend repeal, is not known. Certainly no importance could have been given them by the Committee on Appropriations if it had carefully read the testimony adduced by these committees. To ascertain the facts relating to the architectural side of public buildings, these committees apparently called as witnesses only the late Supervising Architect and one or two of his subordinates, and the conclusions of the committees, in so far as they relate to this law, are absolutely unjustified by the testimony. One reads the hearings with amazement and wonders how it was possible to find in the House of Representatives two members so ignorant of architectural and building methods as the Hon. Cyrus Cline, Twelfth Indiana District, and the Hon. William E. Cox, Third Indiana District, chairman of the respective committees. Such terms as bidders, competitors, architects, builders, contractors, etc., appear to have been considered synonymous, while some of the questions show not only benighted misunderstanding of building practice, but a disposition to regard the things not understood to be unmistakable evidence of the faulty nature of the law.

"It is not surprising that such inquiries should lead to reports full of the most childish blunders, or that their authors should express horror at paying fees of 6 per cent. to outside architects, when similar service can be had from the government bureau at

nearly double that rate. The committees seemed unable or unwilling to understand that the expenses of the Supervising Architect's office increase in proportion to the amount of work done by the office. Although the figures show this clearly, the conclusion of the committees are based largely on the assumption that it costs the same to maintain the office whether much work or little is done, therefore if the class of buildings have been designed by private architects under the Tarsney law, were to be designed in the government office, the architectural service on such buildings would cost nothing! What would become of the manufacturer who figures on this basis?

"A portion of the partial report of the Committee on Expenditures in Treasury Department relates entirely to the Tarsney law. It is an indictment of the 'American Institute of Art' (sic) and is little more accurate than the Cline report, although it goes somewhat further in its incoherent expression. It charges by insinuation that the American Institute of Architects through its members who have acted on juries appointed by the Secretary of the Treasury to pass upon drawings submitted in Tarsney Act competitions, has controlled the awards so that only members of the Institute have been successful competitors. This is obviously and ludicrously preposterous. The most elementary knowledge of how architectural competitions are conducted, knowledge that might have been acquired by the committee with slight effort, would have shown that to carry out such a scheme would be as impossible as it would be for the American Bar Association to control the decisions of the courts. It is moreover an actual fact that about 25 per cent. of the competitors under the Tarsney Act have been won by architects not members of the Institute, really a large proportion considering the fact that the Institute is the representative professional organization, and includes in its membership a large majority of the ablest architects in the country.

"The work of these two committees shows the injustice of a system whereby matters involving highly technical subjects are investigated by men who are absolutely ignorant along the lines of their inquiry. This lack of knowledge of the subject, supplemented by a desire to attract attention to dormant or unrecognized legislative ability, frequently obscures whatever sense of justice the committee may have started out with. The Cox committee accuses the Institute of what would involve practically every member of the organization in professional dishonor, although Mr. Cox apparently does not appreciate the fact, and merely regards the collusion he

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charges as an objectionable form of practice. Upon no other assumption could he justify his failure to call the officers of the Institute as witnesses, before bringing accusations against the organization which if true would make it unworthy of existence.

"The real purpose back of the repeal was not discovered, although your committee believes there is no intention to depend entirely upon the office of the Supervising Architect for future architectural service, and the only definite statement on this point that has come to our notice is the reference to the repeal by Mr. Fitzgerald in a speech on the floor of the House on August 26th setting forth his views as to what had been accomplished in the way of administrative reform by the session of Congress then about to close. In referring to the Sundry Civil bill, he says:

" 'A provision repealing the so-called Tarsney Act, authorizing the employment of outside architects in the construction of public buildings. Experience under this law begot the well-founded criticism that construction was delayed, extravagance encouraged, and the American Institute of Architects required of its members that they charge the United States for services 1 per cent. more on the total cost of buildings than was required of individuals. The government maintains a well-organized architect's office costing upward of \$1,000,000 a year. In the judgment of three of the committees of the House there was no sound reason for the employment of outside talent under the conditions imposed by the architects by which they charged the United States 20 per centum more than they received from other clients. While the service of the best architectural talent at times is required by the government, it should, and as experience has shown, can be had upon reasonable terms fair to the government as well as attractive to the architects.'

"Your committee has no knowledge of any delays caused by the Tarsney Act. There was no feature of the law that need have caused any undue delay under proper administration. The statement that 'the American Institute of Architects required of its members that they charge the United States for services 1 per cent. more on the total cost of buildings than was required of individuals,' is absolutely and unqualifiedly untrue, and shows a total misunderstanding of the facts as well as a misconception of the purposes, aims and



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powers of the Institute. The only testimony known to have been taken along this line of inquiry was that of the late Supervising Architect before the Committee on Expenditures in the Treasury Department. Unsatisfactory and inadequate as this testimony was as a presentation of the architects' side of the question, it was not justly capable of the construction that has evidently been put upon it. Four years ago the customary rate was accepted by the government as it was by individuals and corporations generally. The advance was a legitimate business action made necessary by the increased expenses which modern conditions have brought about. These have borne heavily on the architect, whose work has become much more technical in recent years, with a consequent advance in his cost of production, and the average profit from the present 8 per cent. fee, is less than from the 5 per cent. fee twenty years ago.

"Mr. Fitzgerald makes one assertion, the significance of which he probably does not realize, when he admits that it costs upwards of \$1,000,000 a year to maintain the Supervising Architect's office, although he is too

cleaver to have made the mistake of Mr. Cline's committee, which gave the cost of such maintenance to be about \$150,000. If it costs upwards of \$1,000,000 a year to maintain the Supervising Architect's office, how can he consistently claim that there is no economy in the employment of private architects at the 6 per cent. rate? As a matter of fact the Secretary of the Treasury in an official statement dated August 6, 1912 (Senate Document No. 916, Sixty-second Congress, Second Session), concedes that the cost of preparing drawings and specifications alone, in the office of the Supervising Architect of the Treasury during a period of years ending with 1911, has averaged 6.02 per cent. This includes no expense for supervision of construction such as salaries of superintendents, traveling expenses, etc., which amount to about 5 per cent. additional, and the 6.02 percentage has been arrived at after deducting 35 per cent. of the total administrative cost as an estimated amount of expense not chargeable to new construction. If Mr. Fitzgerald will apply to the study of the expense figures of the Supervising Architect's office, the same energy and ability he devotes to the large problems of the Committee on Appropriations, he cannot escape the conclusion that 6 per cent. is a reasonable and fair compensation for complete architectural service, properly performed. In this connection it should be said that the Institute cannot properly condemn an honest difference of opinion as to the manner in which architectural service for the government shall be performed, but it can and should denounce in the strongest way the use of statements concerning the organization in public documents or in Congress, that are not in accordance with the facts.

"Your committee believes that the repeal of the Tarsney Act is reactionary to the last degree, and that it is a serious blow to government architecture, which will indirectly have an adverse effect upon the architecture of the country if matters are permitted to remain in their present condition. It is quite impossible for the office of the Supervising Architect to turn out all the work under the Treasury Department and do it with reasonable efficiency, and we fear a return to the evils that prevailed in the days when architects were selected for political and not for architectural reasons.

On the other hand, the House leaders have been led to believe that the government has been imposed upon by architects as a class, and from their point of view the repeal of the law was a public benefit. We know that this view is erroneous, and believe that these leaders have been deceived by the findings of incompetent minor committees. Nor does it appeal to our sense of justice to have the entire profession put under the ban without its representatives having been given any opportunity to state its position. It seems to your committee that architects should be encouraged to take a more lively interest in the views on art subjects of representatives in Congress when they come before the primaries,

and if necessary when they come up for election. The repeal of this law affects directly or indirectly every one of the many thousand architects of the country, yet they received no consideration what ever from the committees who held hearings on the subject. The influence of these architects through their clients reaches hundreds of thousands of voters and this number is increased by their affiliations with the various art organizations. The art sentiment of the country is a force to be reckoned with, and its influence should make itself felt in the halls of Congress. Certain it is that the repeal of the Tarsney Act was entirely against this sentiment."

Respectfully submitted,

For the Committee,  
JOHN HALL RANKIN,  
Chairman.

## Committee:

R. Clipston Sturgis,  
Frank C. Baldwin,  
Glenn Brown,  
C. Grant LaFarge,  
D. Knickerbacker Boyd,  
Burt L. Fenner,  
Electus D. Litchfield,  
Edward A. Crane.

## A SAMPLE FIRE SPRINKLER SUMMONS.

The Bureau of Fire Prevention of New York City recently took out a summons against a member of the Realty League of that city, charging him with a misdemeanor for having failed to comply with orders for the installation of automatic sprinklers and other things, which summons was returnable on the 18th inst. The complaint on the part of the fire commissioner was sworn to by an officer of the bureau named Dugan, who appeared also for the purpose of prosecuting the case, which came before Magistrate Corrigan in the Jefferson Market Court. Immediately upon the case coming up Carlisle Norwood, counsel for the Realty League, moved upon the complaint for a dismissal on the ground that there was not charged that the defendant was the owner of the property. This motion was granted and the defendant discharged.

It seems a little odd, comments the New York "Real Estate Record," that the Bureau of Fire Prevention, either through incompetence or carelessness, did not prepare a complaint which was at least good on its face. The Realty League has tried to get the Fire Prevention Bureau to agree to a test case in order that the numerous owners against whom it is proceeding might not be put to the harassment and expense of defending each case, but the proposition was declined so that these owners who are large taxpayers and law abiding and reputable citizens are obliged to make separate contests.

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## PLASTER IS AN IMPORTANT BUILDING MATERIAL

Because of the Attention Given to Other Materials Used in the Construction of Buildings, Builders Sometimes Overlook Importance of this Subject.

Why do we plaster interior walls?

Just because that's the way we build houses? Mighty poor reason, that!

For looks? Hardly, when we put on expensive decorations to hide the plaster.

What then? Why for protection, to complete the work of shelter which the outside wall begins. The outside shell of the house is not sufficient to keep out the elements—the heat, the cold, the wind, the rain, the dampness, etc. It must be supported by an inner lining of material or a combination of materials as proof against these forces.

The outside wall is carefully considered—trust the architect and builder for that—it must embody the ideals of strength, grace and symmetry. But the interior wall—plastering—how about that? Are its qualities in keeping with all the other ideals followed in construction, finishing and decorating? In many cases, yes, but in too many other cases, no, writes W. H. Price in the "Building Material Record."

Plastering seems such a commonplace affair that even the builder neglects a proper consideration of this important item—the very item that should have special and most careful attention. Even the contractor, sometimes driven to narrow margins by the exacting requirements of the builder and close buyer, is tempted to retrieve something of his fair profits by saving on the plastering item, not realizing, probably, the vital difference between the best grade of modern hard mortar and the cheap plastering methods, and not realizing, also, that weak, crumbly walls which crack, shrink, stain, break or drop off on slight provocation thus ruining the most expensive decorations and causing continual annoyance and repair expense is bound, sooner or later, to injure his reputation and prestige.

It is, indeed, interesting to note that the more progressive and successful dealers consider that it is entirely within their province to inform their clients as to the true relative values of plasters and other materials that enter into the construction of interior walls. This is a part of the service of modern selling efficiency and the kind of service that

necessarily wins trade away from the dealer who pursues old-style sales methods of simply offering his trade whatever materials he can buy the cheapest and make the most profit on, regardless of whether or not it will render faithful service to the builder.

### Importance of Plaster and What It Must Accomplish.

The many years of experience and experimenting on the part of the more progressive plaster producers has proven conclusively that in order to secure perfect and permanent satisfaction in walls and ceilings, the plaster used must accomplish the following specific objects:

1. Strength—It must reinforce outside strength with inside strength because the inside walls are just as important a source of protection as the outside shell.
2. Support—It must be an actual support rather than a dead weight.
3. Endurance and Life—It must have endurance in order to make it a good building investment. It must make the inside walls last as long as the building.
4. Disease and Germ-proof—It must keep out rats and vermin and must not harbor disease germs.
5. Fire-resisting—It must be fire-resisting so that it will aid in retarding the progress of the flames in the event of fire by protecting the wooden structure.
6. Water-proof—It must be proof against destruction by water. If the walls should be flooded by accident or subjected to tons of water in case of fire, the quality of the plaster must be such that the walls will dry out hard and as firm as ever.
7. Insulation Against the Elements—In order to afford maximum comfort, the interior walls should be constructed to keep out the cold in the winter and the heat in the summer, making it easy to maintain a normal temperature the year round, thus saving both fuel and ice bills.

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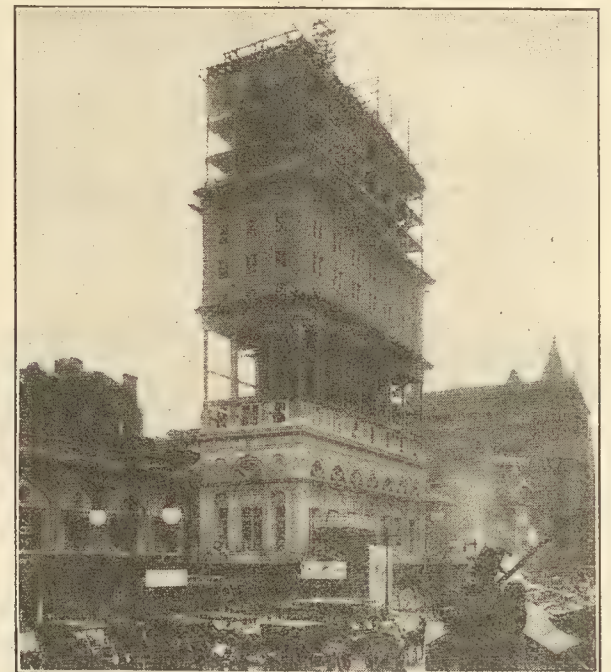
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### Data and Ideas to Be Had from Manufacturers

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and owner the full benefit of this information.

The value of this information cannot be over-estimated, for it is the fruit of practical experience and extensive observation, but it is only recently that advantage has been taken of this by those who could most profit by it.

The old method of procedure was for one man to lay out exactly what in his opinion was suitable and then get bids from different manufacturers on that particular thing.

To adapt a given material to the special needs of the building is the surest way to secure a maximum of efficiency, and whether it is wall plaster, plaster board or anything else, there is always a "best" and there are usually good reasons why that "best" cannot be produced for the least money. The progressive manufacturer can give these reasons, and it is both fair to him and profitable for

the dealer and the owner to get the whole story.

A close co-operation between the dealer and the manufacturer with a view of giving to the owner the most efficient service is one of the surest means and the shortest routes to success, and an improvement in building construction.

#### PROGRESS OF WORK ON PANAMA CANAL.

The concrete work in the Spillway of Gatun Dam is over 90 percent. completed, 202,511 cubic yards out of a total of 225,000 having been placed at the close of work July 6.

Over 80 per cent. of the concrete work for the locks is in place, the amount at the close of work on July 6 being 3,804,267½ cubic yards, out of a total of approximately 4,302,563. A total of 15, 688 cubic yards of concrete were laid in the locks during the week ending July 6.

Over 94 per cent. of the concrete for the system of three twin locks at Gatun has been laid, the amount in place at the close of work July 6 being 1,882,059½ cubic yards, out of a total of 2,000,000.

Concrete work in the lock at Pedro Miguel is over 96 per cent. completed, 860,241 cubic yards, out of a total of 889,827, bucket measurement, having been placed at the close of work July 6.

Over 75 per cent of the concrete for this system of two twin locks at Miraflores was in place July 6, the total amount being 1,061,967 cubic yards, bucket measurement, out of a total of approximately 1,412,736.

The estimated cost by the present commission for completing the canal is \$325,201,000, which includes \$20,053,000 for sanitary

work, and \$7,382,000 for civil administration.

These figures do not include the \$50,000,000 paid to the new French Canal Company, and to the Republic of Panama for property and franchises. Therefore, it is estimated that the total cost of the canal to the United States will approximate \$375,000,000.

The official date of the opening of the Panama Canal has been set for January 1, 1915. It is the intention, however, to allow vessels to utilize the canal just as soon as practicable. Present indications seem to bear out the opinion previously expressed by the chairman and chief engineer of the Isthmian Canal Commission that this can be accomplished during the latter half of 1913, although it is too far in advance at this time to fix any definite data. Shipping interests will be advised as soon as the commission feels assured that vessels can be passed without unnecessary delay.

#### OUR FIRE LOSSES.

The tremendous fire waste of the United States and Canada, is set forth in the story of "A Five Years' Fight Against Fire Waste," by Powell Evans, chairman of the Fire Prevention Committee for the city of Philadelphia, and for several civic and commercial associations. The following table, based upon the latest available data, shows the average annual per capita fire loss of the United States at large, and the principal cities of the United States and Europe:

City.	Annual per capita fire loss (annual).
United States .....	\$3.00
Cleveland .....	1.18
Washington .....	1.19
Baltimore .....	1.29
Chicago .....	1.43
Philadelphia .....	1.65
New York .....	2.60
Boston .....	5.15
Berlin .....	.25
Bremen .....	.38
Paris .....	.47
London .....	.50
St. Petersburg .....	1.42

Fire waste in the United States and Canada is about ten times that of Western Europe. It averages broadly, \$250,000,000 yearly, with \$15,000,000 added expense for protective measures imperatively demanded by this great, continuous and increasing loss. The 1910 fire waste would pay the total interest-bearing debt of the country in four years; or would build the Panama Canal in less than two years. In other terms, it exceeds the combined cost of the United States army and navy and the interest on the national debt; or nearly equals the combined annual failures and pension payments in the United States; or exceeds the combined United States gold and silver production and Post Office Department receipts—these all annual figures. It represents about 40 per cent. of either the total unused United States Government receipts or total expenditures, or the net earnings of American railways; it represents about 80 per cent. of either the United States Internal Rev-



enue receipts or the United States Customs or the interest paid on the railways in the country. The fire waste is equivalent to wiping out the entire corn crop once every ten years, and exceeds the annual value of wheat, hay, rye and oats. It is twice the annual value of the cotton crop. It costs about \$30,000 for each hour in the year, or \$500 for each minute. It costs, moreover, more than 1,500 lives and 5,000 serious injuries annually. The annual fire loss of the United States, on a ten years' average, for the year up to the end of 1902 (prior to the great Baltimore and San Francisco fires) was \$146,552,365; and up to 1908 was \$198,181,188. The tremendous size of this waste may better be realized when measured with familiar items in our national expenditure. The annual ten-year average fire loss up to the end of 1906 compares as follows with the like average of the items given below:

36 per cent. U. S. Government total receipts .....	\$554,390,238
37 per cent. Net earnings railways in U. S. ....	542,274,762

37 per cent. U. S. Government total ordinary expenditures .....	532,018,116
76 per cent. Interest paid railways in U. S. ....	261,044,569
78 per cent. U. S. internal revenue receipts .....	253,400,164
79 per cent. U. S. customs .....	252,359,639
123 per cent. Dividends paid by railways in U. S. ....	162,124,558
141 per cent. U. S. pensions .....	140,861,166
152 per cent. U. S. post office receipts .....	130,201,926
156 per cent. Commercial failures in U. S. (liabilities) .....	126,646,386
157 per cent. U. S. War Department cost .....	126,465,728
165 per cent. Fire insurance loss payments .....	120,352,198
180 per cent. U. S. Gold production (coining value) U. S. silver production .....	109,805,439
242 per cent. U. S. Navy cost ....	81,871,647
648 per cent. Interest on U. S. national debt .....	30,568,000

## Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

\*\*At a recent banquet of the Minneapolis Association of Credit Men, Walter C. Leach, president of the Northeastern Fire and Marine Insurance Company, referring to the \$2,500,000 fire loss suffered in 1910 by the city of Minneapolis, came out strongly in favor of automatic sprinklers. He stated that insurance companies were making more money on the 25 cent rate with automatic sprinkler protection than on the \$2.00 rate without sprinklers.

\*\*The Panama Canal Commission has notified cement manufacturers that it will need 1,000,000 more barrels of cement. The original contract for 4,500,000 barrels was awarded to the Atlas Portland Cement Company, with an option, which was exercised by the government, of making it 5,500,000. The order for the extra 1,000,000 barrels was given September 3 and shipments on it are to begin in January, 1913.

\*\*Further interesting particulars of estimated losses by fire in London during 1911 have been published. These show that losses of 50 pounds and under totaled to 21,253 pounds; not exceeding 100 pounds, to 11,705 pounds; not exceeding 500 pounds, to 40,513 pounds; not exceeding 1,000 pounds, to 22,050 pounds; not exceeding 5,000 pounds, to 89,900 pounds; and losses of over 5,000 pounds each aggregated 551,800 pounds; total loss for the year (within the County of London), 737,221 pounds, or about \$3,686,100.

\*\*The city council of Chicago has recently passed an ordinance requiring certain electri-

cal equipment to prevent damage by electrolysis. It requires that the difference of potential between any two points on a return circuit must not exceed 12 volts and between any two points on the return 1,000 feet apart, within one mile radius of the City Hall shall not exceed the limit of one volt, while between any two points on the return 700 feet apart, outside of this mile radius, it will not exceed the limit of one volt. Return current amperage on pipe and cable sheaths must not be more than five-tenths ampere per pound-foot for caulked cast iron pipe, and eight amperes per pound-foot for screwed wrought iron pipe, and 16 amperes per pound for standard lead or lead-alloy sheaths of cable.

\*\*The Board of Fire Commissioners of Austin, Tex., has been discussing of late the question of fire prevention in that city, especially with reference to the prohibition of certain classes of inflammable construction. In the matter of frame buildings and roofs there were, of course, no doubt as to the condemnation of those constructed of wood or roofed with shingles. These were emphatically condemned and prohibited for all times. The condemnation and prohibition, however, were extended and made to hold good with respect to buildings of sheet iron and tin roofs not covered with a sufficiently thick coating of tar and ravelg. For the future no such structures will be allowed within the limits of the city, and it is recommended that an ordinance shall be passed requiring that all roofs shall be of metal properly protected, tile, slate or

asbestos. Such reasonable provisions, it might have been thought, would have been adopted at once and without discussion. The members of the city council, however, have such great minds that like that of the girl in Lover's ballad they "take a long time making up" and they put off till a more convenient season the decision on such an important matter.

\*\*Mr. Hector Gordon, formerly sales manager for the Wadsworth Holland Company, of Boston, has started into business for himself, manufacturing waterproofing compound. The style of the firm name is as follows: The Gordon Hittl Company, and the address is 85 Purchase street, Boston, Mass.

\*\*Ben F. Lippold, formerly associated with the editorial staff of Rock Products, has severed connection with that publication and is now in the employ of the Charles Warner Company, of Wilmington, Del., where he has assumed the duties of advertising manager. His friends will be pleased to learn of his present connections, and Eastern dealers who are receiving the house organs of the Warner Company are sure to feast on editorial steaks that will contain strength and nourishment such as the building material man seeks and such as the building fraternity alone can assimilate.

\*\*T. P. Vuthbert, sales manager for the Toronto Fire Brick Company, of Toronto, O., with offices in the Oliver Building, Pittsburgh, Pa., has been booking a large volume of business on face brick during the last three months. "We are working our plants full time, and orders now on file indicate that we will be working up to Christmas," he said.

\*\*Building brick is being made a specialty at the plant of the Eagle brick plant at Mill Hall, near Lock Haven, Pa., which is under the management of E. E. Adams. Assisting Mr. Adams in the management of this plant is B. F. Pletcher, who is also in charge of the sales department.

\*\*Mayor S. M. Hoyer, of Altoona, Pa., is at the head of a new company which has just been formed there under the name of the Cambria Clay Manufacturing Company. Building and face brick will be manufactured. General offices of the company will be maintained in Altoona. The company obtained its charter less than a fortnight ago.

\*\*The Bates packing machine at the plant of the Alpha Cement Company, at Cementon, N. Y., will pack twelve thousand sacks of cement, equivalent to three thousand barrels, every day. The same work would take at least three days under the old system.

\*\*Terra cotta has become a very popular building material, and is specified in practically every important building. The architects, building materials, dealers and builders have been almost unanimous in the selection of the cream-tinted terra cotta as a color which is as pleasing in a building years after its construction as the day of its erection.

\*\*Abram Zabriskie, of North Hackensack, N. J., has the distinction of being the first brick maker in New Jersey. He located in

(Continued on page 650)



Bell Phone, Spruce 6612

Keystone Phone, Race 2799

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# Editorial Comment

The October number of "The Craftsman" contains an appreciation of M. Rene Lalique, whose work in decorative glassware has won him a most enviable position among contemporary designers. M. Lalique began his career as a designer of and artificer in jewelry of an artistic and individual type. His glassware is said to rival if not surpass the finest efforts of the old Venetians whose achievements in this field were supposed to be inimitable. The fact that Lalique is an architect and a craftsman in wrought iron serve but to make his delicate and dainty decorative work in glass all the more marvellous. Some of his designs are said to be of a beauty almost fairy-like both as to conception and treatment.

\* \* \*

"The Guide" prints on another page of this issue the report to the American Institute of Architects of the Committee on Repeal of the Tarsney Act appointed by that body. This report is in effect a summing up of the arguments in favor of the Tarsney measure, together with a recital of the conditions and circumstances responsible for its repeal. One of the facts that stick out like a sore finger all over the report is the pitiful ignorance shown by members of Congress with reference not only to the Tarsney Act itself and to the conditions governing competitions thereunder, but to architectural practice generally, as well as to the workings of that distinguished body laboring for its betterment—the American Institute of Architects. To a normally well-informed person it seems almost incredible that Congressmen putatively representative of large and populous districts should be able to persuade themselves that public buildings can be better designed in the Supervising Architect's office than by the leading architects of the United States in open competition. So many notable buildings, designed and erected under the workings of the Tarsney Act, stand to contradict this absurd view of the functions of the Supervising Architect that one is moved to marvel at the curious mental processes of those who urge it. The very title of the head of the architectural end of the Treasury Department is in itself a refutation of the contention that to this office belongs the designing of government buildings. He is classed as the "Supervising" Architect. Under the new order of things he will have little or nothing to supervise—unless the work of his draftsmen may be admitted to need this character of scrutiny.

"The Guide" commends to its readers a careful reading of this report. It should serve to shed something of needed light on the petty calibre of men who "represent" presumably intelligent constituencies in the halls of national legislation.

A little chapter on fire losses appears in this number that makes pretty thoughtful reading. That we are as a nation wasteful and improvident, we scarcely need to be told. The figures shown, however, in these carefully compiled tables of data covering the annual fire waste must stagger even the most smugly self-satisfied. Here is an item of annual waste running into figures great enough to build us a navy every year squandered—absolutely squandered—upon fires, 90 per cent. of which could be avoided by common prudence and the intelligent use of preventive devices and modern fire retardant materials. This tremendous loss has gone on for years, a weakening drain upon our resources as a nation, virtually unchecked and unhindered. It is still going on despite the appeals, the entreaties and pamphleteering of economists who recognize the essential folly of this yearly carnival of loss. Read these figures. Ponder them. Let the full significance of them sink in until you are able to grasp all that they mean. And then, when you have grasped it all, lend your aid to the propaganda for better things. No evil is too big for the American people to conquer. It is high time the growth of this fire evil, with its staggering annual toll in human lives and hard-earned dollars were checked if not completely abated.

\* \* \*

The squabble in San Francisco over the appointment of a city architect draws forth this comment from "The Western Architect":

"The controversy in the Cleveland City Council concerning the employment of a city architect has a counterpart in San Francisco, where the same subject is causing heated discussions, and the agitation brings up the subject of the employment of an architect by public bodies generally.

"There is first the supervising architect of the treasury in charge of the buildings designed and constructed for the national government; then the state architect, who performs the same service for the State; and then the municipal architect who represents the city as a whole, except where a school board employs an architect for the designing of school buildings. In each case the appointment is in line with other political appointments, and subject to the same conditions.

"Time was when a Mullet held the office of supervising architect, and while he is said to have been a good stone mason, he was apt to judge the drawing of a moulding, held for his inspection upside down, as 'too Gothic.' While the supervising architect is still appointed by the Secretary of the Treasury, it is ability to fill the office, and not political influence, that governs the selection.

"The nation as a whole, and its representatives at Washington, have advanced in a knowledge of architecture in the past thirty



years. As with the nation so with the State and with the municipality. Some States and some cities are still thirty years behind in architectural appreciation, and in these the man of mediocre or no architectural ability is appointed, and the public is served with a low grade of design.

"New York, Massachusetts and Illinois rank with the national government in their appreciation of architecture, and in these States are found men of standing and ability designing for the State. There are few, if any, cities that have as yet risen to this rank, probably because the matter of appointment comes nearer the public, and the people still are inclined to think a thousand dollar salary large for a man who does nothing but draw plans.

"Even the educational positions occupied by a school board is not generally a guarantee that an architect of exceptional ability in the direction of design and plans for schools will be employed for this important work. As the price of steel is said to be the thermometer of trade, so the architecture of public buildings indicates the intellectual as well as the art ad-

vancement of a people. It is to the architecture of the past that the archaeologist looks for the stage of civilization occupied at the time, and the present, as well as the future of this or any other country, may be judged by the same infallible standard. Whether the architect for the city of San Francisco be appointed by the commissioner of public works or the city council, matters little. It is the moral, intellectual and artistic standard of the architect appointed that counts. This is one point that the chapter should insist on, though local conditions may urge that the council be the appointing and governing agent."

\* \* \*

The closer the architect can be brought to the building trade press the better. No "organ," however elaborately patroned can hope to take the place of the trade press in the work of defending architecture against its enemies and popularizing it with the masses. If the Tarsney Act is ever to be restored, its restoration will be due to the building trade press of the country—not to any academic and dilettante production under auspices exclusive and trade-marked of the elect.

## COMPARATIVE COSTS OF BUILDING AND BUILDING MATERIAL

### The Actual Estimates on the Same Design From All Sections of the United States—The Relation of Local Materials and Cost—How to Estimate Expense of Construction From the Plan and Drawings.

Many people are apt to be skeptical about the usual magazine articles relating to the cost of small country houses. We dare say that in the majority of cases the magazines are correct, for they publish information regarding an actual house built in some one section of the country. However, the fact that the house is located in one section is responsible for the misunderstanding upon the part of the readers.

It is impossible to give a figure that would cover the cost for the entire country. We must consider each factor that enters into the total outlay and judge of its relative importance in the various sections in which building is carried on.

The two principal factors are labor and material. In some places the first factor, labor, plays the more important part. Wages are high and hours are short. For example: in the vicinity of New York City, union labor is well organized and the mechanics receive the maximum wage for the minimum number of hours. In Central and Western New York State, carpenters and masons get a modest wage and some materials, requiring a long haul, are expensive. The lumber sections of the Northwest and some parts of the South give a plentiful supply of cheap material and where labor's demands are not exorbitant at the same time, we find here the most favorable conditions in which to build cheaply.

The distance which material is hauled is a strong factor in determining its cost to the consumer. Therefore, aside from esthetic reasons, it is always wiser to construct your house with native materials, as far as possible, writes H. W. Butterfield in "House and Garden."

In spite of the growing price of woods and the reduction in the price of masonry material, such as cement, it is still cheaper to build a frame house than one of any other kind. Of course, certain parts favored with the close proximity of brick yards or quarries give these materials the advantage over frame on account of durability and cheapness.

To get down to facts, we shall compare the prices obtained from each quarter of the country; prices obtained on the same house and specifications. To test this the plans and specifications of a house were sent to architects all over the country. There was a list of questions to be answered and the costs of various materials sought. The replies were carefully averaged and the results are given below. We give prices, both in lump sums and per cubic foot:

New York City (suburban).....\$4,300.00  
Per cubic foot frame.....17 cents  
Per cubic foot brick.....21½ cents  
Per cubic foot stone.....22½ cents  
Stucco on metal lath.....18 cents

Vicinity of Philadelphia 10 per cent. to 15 per cent. less than near New York.

Maine .....\$3,400.00  
Per cubic foot frame.....14 cents  
Per cubic foot brick.....17 cents  
Per cubic foot stone.....20 cents  
Stucco on metal lath.....15 cents

In the Southern New England States the cost would be slightly in excess of the above.

Middle South, Kentucky, Maryland, etc. ....\$3,000.00

Per cubic foot frame.....10 to 12 cents  
Per cubic foot brick.....12 to 14 cents  
Per cubic foot stone.....15 to 20 cents  
Stucco on metal lath.....11 to 14 cents

Chicago, vicinity of.....\$3,800.00

Per cubic foot frame.....15 to 16 cents  
Per cubic foot brick.....18 cents  
Per cubic foot stone.....20 cents  
Stucco on metal lath.....16 to 17 cents

Middle Western States, such as Ohio,

Michigan, Iowa and Wisconsin,

\$2,550.00 to \$4,000.00

Per cubic foot frame.....10 to 17 cents  
Per cubic foot brick.....12½ to 20 cents  
Per cubic foot stone.....16 to 25 cents up  
Per cubic foot stucco on metal lath,

12 to 18 cents up

Pacific Coast (Northwest)

\$2,000.00 to \$3,200.00

Per cubic foot frame.....8½ to 13 cents  
Per cubic foot brick.....9½ to 14 cents  
Per cubic foot stone.....14 to 16 cents  
Per cubic foot stucco on metal lath,

9 to 14 cents

Colorado (average) ....\$3,100.00 to \$3,200.00

Per cubic foot frame.....12 cents  
Per cubic foot brick.....14 cents  
Per cubic foot stone.....15 cents  
Per cubic foot stucco on metal lat.13 cents

Southwest (Arizona and New Mexico),

\$2,900.00 to \$3,000.00

Per cubic foot frame.....12 cents  
Per cubic foot brick.....13½ to 14 cents  
Per cubic foot stone.....16 cents  
Per cubic foot stucco on metal lath,

13½ to 14 cents

We have covered in the above list a wide range of territory; the districts mentioned are characteristic of all sections. The New York section heads the list with the Northwest Pacific Coast at the foot, due to the peculiar conditions mentioned above. Prices, however, may vary in each section. We have known of two houses built from the same plans and specifications, one in Flushing, Long Island, and the other in Esser County, New Jersey, in which the cost at Flushing was 10 per cent. less than the Jersey cost. Transportation had much to do with this variation.

In giving a scale of prices such as above it is necessary to adhere to a certain type of house; this is one which includes all the conveniences and arrangements suitable for the average family without any special features or elaborate details. The construction is supposed to be thorough and materials first class. Simply a good substantial home built according to the custom of the

(Continued on page 652)



## Is that New Building Operation of Yours Nearing Completion?

**Are you ready to show possible purchasers what you have prepared for them in the way of modern conveniences? You are not ready if the houses have not been wired for Electricity—you cannot make quick sales now-a-days unless dwellings are electrically equipped.**



### TRADE NEWS AND GOSSIP.

(Continued from page 647)

Bergen County at an early date, and has lived to see the day when over eighty million brick are being turned out in that county each year.

\*\*The Berger Manufacturing Company and guests gathered at the offices of the company Twenty-second street and Eleventh avenue recently, at a dinner in honor of the sales force, and later proceeded by automobile to College Point, where an outing and clam-bake was enjoyed. Games, including baseball, in which the benedicts defeated the unmarried men, were indulged in. The invitations were in the form of subpoenas to attend a trial in "The Court of Eats" in the issue of "Berger vs. Berger," and were handsomely done in pen and ink sketches.

\*\*James Wells, proprietor of the Wells Architectural Iron Company, plans extensive additions to his new plant at River avenue and One Hundred and Fifty-first street, New York City. Mr. Wells has not yet worked out the full details, but the extension will be sufficiently large not only to care for his present increasing business, but to provide for additional requirements of the future. The company has been specializing in ornamental iron work. The equipment of its plant is such as to execute the highest grade of business, notable among them being the following recent contracts: The new terminal buildings of the New York, Westchester and Boston Railroad at Bronx Park, for which Reed & Stem were architects; Y. W. C. A. headquarters at Fifty-second street and Lexington avenue, for which Donn Barber was architect; Ritz-Carlton Hotel, Philadelphia, for which Horace Trumbauer is the architect; the Garden City Hotel, for which Ford, Butler & Oliver were architects; Jamaica Railroad station, for which Kenneth M. Murchison is architect, and the Durand

Ruell Building, in East Fifty-seventh street, for which Carrere & Hastings are architects.

\*\*Royal Scott Gulden, 542 Fifth avenue, New York City, desires samples and quotations on front brick, tile bath fixtures and patent store fronts to be used in the construction of a bachelor apartment.

\*\*It was announced by the McCrum-Howell Company that plans for reorganization have been perfected, whereby the creditors would derive a larger return on their money, tied up in the company. The new plan contemplates the following capitalization: Preferred stock, \$1,500,000; common stock, \$3,500,000, making a total of \$5,000,000. The money owed to noteholders, including banks, approximates \$2,500,000. It is proposed to offer to noteholders for the par value of their claims 25 per cent. in new preferred stock and 75 per cent. in common. This is a better settlement than could be realized, according to the company's officials, through a sale of the assets of the company. Under the latter condition it is estimated that the note holders would not have realized more than 25 cents on the dollar.

\*\*With the letting of a \$2,000,000 contract to Patrick Ryan for building the foundations and masonry of the Hell Gate viaduct of the New York connecting railroad, which is to unite by rail the New Haven and the Pennsylvania Railroads, most of the work has been contracted for and the construction will proceed rapidly. It is expected that the road will be completed in two years at a cost estimated at \$25,000,000.

### NO FALSE STATEMENTS.

#### New Law Effective September 1 Affects Borrowers.

The New York State Bankers' Association's anti-false statement law became effective on September 1. This law has been urged for many years by credit men in all branches of the building trade and it undoubtedly will have the full support of all building material interests and general credit lines.

In those departments of building material in which vast transactions are based largely upon credit covering a great range of territory both in and outside of the city, it should prove very effective in putting a final kink in the operations of the "shoe string" builder and "shoe string" material distributor. Hereafter any individual who knowingly makes a false statement in writing regarding his financial condition with intent that it shall be relied upon by those giving credit, shall be subject to imprisonment for one year, a fine of \$1,000, or both.

The law requires that the false statement shall be made in writing, a requirement which the mercantile agencies have been endeavoring to establish for many years. One interest which has been conspicuous in urging this kind of legislation has been the Consolidated Building Trades Employer's Association, which worked hard in eliminating the "shoe-string" builder from the local field. The law emphasizes the fact that the man who asks

credit must be able and willing to make good by producing facts and figures which will warrant the credit giver in extending accommodation.

The "shoe-stringer" who has been consistently fought by "The Record and Guide" with the co-operation of associations, has depended for success in his nefarious operations, upon his ability to conceal the actual limitations of his credit with the idea that through manipulation he will be able to collect his progress payments in sufficient time to pay small sums to his supply men to placate them temporarily until his allies foreclose and wipe his creditors out entirely.

It is interesting to note that New Jersey legislators are contemplating an enactment of a similar law, being the improvement of certain statutes which are on the books of that State, but which are said to be dead letters. The reputable builders of New Jersey have been forced to take some action in this matter because the "shoe string" builders, who have found New York an undesirable fertile territory of the suburbs, but if the next legislature enacts a law which will be as broad as that in this State there is no reason to doubt that the day of the irresponsible speculative builder will have been passed.

### RECENT TRADE LITERATURE.

W. H. Price, advertising manager of the United States Gypsum Company, is sending out a clever folder announcement of the opening by that concern of a new gypsum plant at Plasterco, Va. This new plant is said to be the largest and most up-to-date plaster manufacturing plant south of Mason and Dixon's Line and to be the most modern and perfectly equipped plant of the kind in the United States. The announcement is a deft bit of advertising in blue and white, showing the new mill, its position as to shipping points throughout the South with a word as to the value of gypsum generally.

\* \* \*

We are in receipt from the Clay Products Exposition Company of a most attractive booklet describing the forthcoming Second Clay Products Exposition to be held at the Coliseum, Chicago, February to March, 1913. The booklet is liberally illustrated and admirably fulfils its mission as an avant courier of the big clay show.

\* \* \*

"The Cement User" is an entertaining and instructive little house organ issued by the Chicago Portland Cement Company, Chicago, Ill. The August number shows a series of models of various types of concrete construction.

\* \* \*

"Shaffer" Bath Room Furnishings is the title of an effective catalogue issued by the Charles W. Schaffer Company, of Philadelphia, covering the line of bathroom accessories manufactured by this concern. Persons interested in the newest and most modern ideas in bathroom daintiness will find it an advantage to write the Schaffer Company for a copy of Catalogue D.



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## Comparative Costs of Building and Building Material.

(Continued from page 649)

locality for such a class house. These figures are for a completed house with the exception of the lighting fixtures, which may cost any amount one is willing to pay. They could be procured for \$50.00 or up.

Everyone, about to build, is desirous of first ascertaining as near as possible the total outlay he will be obliged to make. The first step after selecting the design is to multiply the total cubage as given with each design by the cost per cubic foot in your section. You will then be able to get an idea if it is possible to keep within your appropriation. Next consult a local builder, one who is accustomed to putting up the class of building you desire. There may be certain governing conditions in your neighborhood with which he is familiar and you are not. He will take the cubical contents and the design as submitted, together with instructions as how you wish the house finished, and give you a very close preliminary estimate. Then when he receives the working drawings, details and complete specifications his figures may be gone over and verified. Of course, if the builder has the final drawings from the first he will be able to give at once an exact and final figure.

If you contemplate building a home, study your own section. What in the long run seems to have proven to be the best materials for the locality; what materials are used for foundation walls, exterior walls, roofs, porches, trim, chimneys, etc. If one material predominates for each part, then there is some good reason why it was used. Probably for the sake of economy or procurability. A little thought and careful study in the beginning may save time and expense in the end.

## TIME FOR REMOVING FORMS.

Premature removal of forms of forms and supports is one of the most prolific causes of failure in concrete work. Often specifications merely state that "forms shall not be removed until the concrete has hardened sufficiently to permit of their removal with safety." This, however, is not enough; and the time which must elapse should be definitely specified.

On the basis of practical experience extending over years of successful operation, a well-known firm of designers and engineers for industrial plants has drawn up the following specifications for concrete contractors, covering the point referred to:

**Removal of Forms**—Under no consideration shall forms be removed until the concrete has hardened sufficiently to permit of their removal with safety.

**Slabs and Beams**—Forms shall not be removed from floor and roof slabs in less than seven days. Sides of beams may be removed from floor and roof slabs in slabs, provided original supports under beams and girds are left in place.

**Columns**—Where original supports remain under beams and girders coming to columns, the forms shall not be removed from the columns in less than four days.

**Supports**—The original supports for all beams and girders must remain in place at least ten days; but all beams and span girders having more than 30-foot span from center to center of support shall be considered as special cases, and subject to inspection of superintendents of construction before removal.

The length of time before removal of forms shall be increased in all cases, and additional time allowed for each day the thermometer registers at any time during the day or night below 35 degrees F.

## A COLLEGE FOR MUNICIPAL OFFICERS.

Americans have much to learn from the Germans in the art and practice of municipal administration. Among recent innovations in that country is the establishment by the city of Dusseldorf of a municipal college for the education of higher city officials. For some years a few of the larger German cities have maintained special training schools for the employees of particular departments, but the Dusseldorf college is the first one to undertake education in every grade of the municipal service. The curriculum covers such matters as administrative law and practice, the organization of city government, the powers and duties of municipal employees, public health and sanitation, poor relief, municipal finances and economics, city planning and the like. Instruction will be given not only by a regular staff, but by professors from German universities and technical schools, as well as from high officials in the service of the city. The possibility of adopting this innovation to the needs of New York is worthy of careful consideration. The city already possesses a college of its own, in which the graduates of its public schools receive for nothing a semi-collegiate education. This institution is admirably run and is of the utmost benefit to the poorer citizens of New York who want their children to be well educated. Why should not a department or school of municipal administration be added to it? The curriculum of the school could be specially planned so as to prepare students to take the civil service examinations, and after a pupil had passed the tests and become a municipal official he could keep in touch with his training school and if necessary prepare himself for more remunerative work. It may be admitted that at present the atmosphere of the municipal offices of New York would not be one on which such a college would thrive, but after it was started it would do much to purify that atmosphere and start up some sort of an esprit de corps in the municipal service. The idea is particularly attractive, partly because the need is so great and partly because it could so easily be added to the existing functions of the city college. Indeed, it would give the city college a new and better reason for ex-

istence; and it is very much to be hoped that the idea will find favor and win converts.

## EXPERIMENTS IN STREET PAVING

The Department of Highways, which has the street paving in charge, has decided, by reason of the higher cost of long leaf yellow pine paving blocks, to experiment with short leaf pine. If successful, this plan will considerably lower the initial cost of wood paving. The short leaf blocks will be treated and laid in exactly the same manner as the long leaf blocks, and will be experimented with upon side streets where the traffic is not exceptionally heavy, and yet where there is sufficient wear and tear to make a thorough test.

The Department of Highways contemplate another street paving experiment which is to be carried out on lower Second avenue some time. It is to use a special paving called "Durax," which is said to give favorable results in several European cities where it is in use. The surface blocks, which in this case are granite, are made very small and carefully fitted by hand, and are so arranged that none of the joints are at right angles to the moving lines of traffic. This produces an almost noiseless surface and gives a good foothold for horses. The blocks are cut in cubes of about three inches in dimensions each way, and when the paving is laid it closely resembles a great piece of mosaic.

## ELEMENTS OF FIRE PROTECTION.

Professor Ira H. Woolson says that those who have studied the problem of factory protection are agreed that the chief factors in it are: Fireproof or slow-burning construction, elimination of vertical openings, restrictions of large areas by fire walls, protection of window openings by metal sash and wired glass, and installation of automatic sprinklers.

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Summary for week ending September 28, 1912:

Number of transfers .....	445
Amount of transfers .....	\$931,450.13
Cash consideration .....	196,850.13
Mortgage consideration .....	734,600.00
Ground rent consideration .....	1,720.00
Which on a 6 per cent. basis amounts to .....	28,666.68



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## Artesian Wells.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.

## Artists' and Architects' Supplies.

F. Weber & Co., 1125 Chestnut st., Phila.

## Architectural Iron and Metal Work.

John L. Gaumer Co.,  
22d and Wood sts., Phila

## Awnings

Bernard McCurdy,  
N. E. Cor. 9th and Arch sts., Phila.

## Brick (Face, Etc.)

O. W. Ketcham, Builders' Exchange, Phila.

## Brick Renovating.

Adolph Christensen,  
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## Blue Prints

Blue Print Co., 1516 Chestnut Street, Phila.

## Boilers and Radiators.

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## Brass and Bronze Work.

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## Builders.

Mitchell Bros., 2125 Race St., Phila.  
Pomeroy Const. Co., 1609 Ransstead st., Phila.

## Builders' and Contractors' Machinery.

Henry T. Peirce, Bulletin Bldg., Phila.

## Canvas Roofing.

The Franklin Paper Co.,  
718 Cherry st., Phila.

## Cement.

Samuel H. French & Co.,  
4th and Callowhill sts., Phila.  
Chas. Warner Co., Land Title Bldg., Phila.  
Knickerbocker Lime Co.,  
266 N. 24th St., Phila.

## Cement and Asphalt Paving.

Wm. Krause, 1621 N. 5th St., Phila.

## Cement Colors.

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## Flag Poles (wood and steel).

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## Furnishers and Decorators.

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## Furnaces and Ranges.

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Henry M. Miller, 40 N. 2nd st., Phila.  
Isaac A. Sheppard & Co.,  
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American Perfectile Co.,  
1526 Sansom St., Phila.

## Marble Mosaic.

Belfi Bros. & Co.,  
20-22 S. 19th st., Phila.

## Metal Doors and Trim.

R. R. Hammond & Co.,  
Land Title Bldg., Phila.

## Mill Work.

Frank C. Snedaker & Co.,  
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## Mortar Colors.

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## Paints and Varnishes.

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Pyramid Paint Co., 131 N. 22nd st., Phila.  
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## Roofing Slate (black and colored)

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## Roofing Tile.

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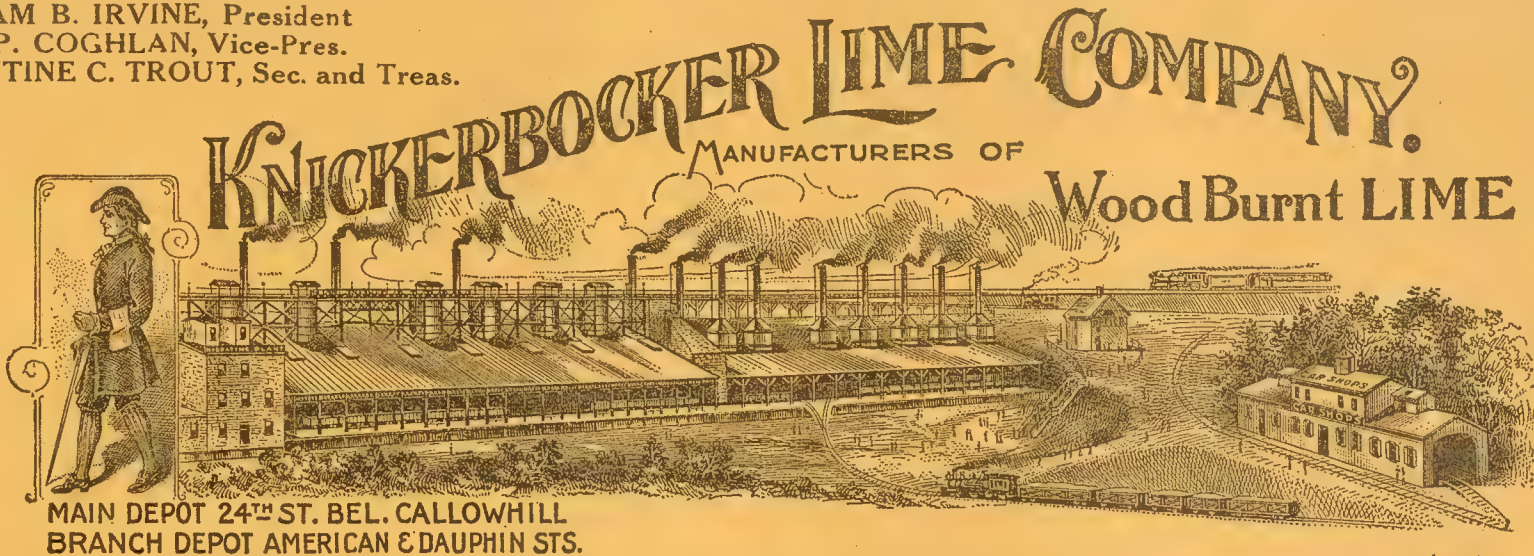
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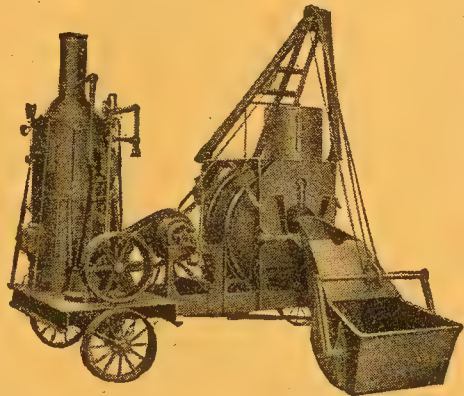
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PHILADELPHIA, WEDNESDAY, OCTOBER 9, 1912.

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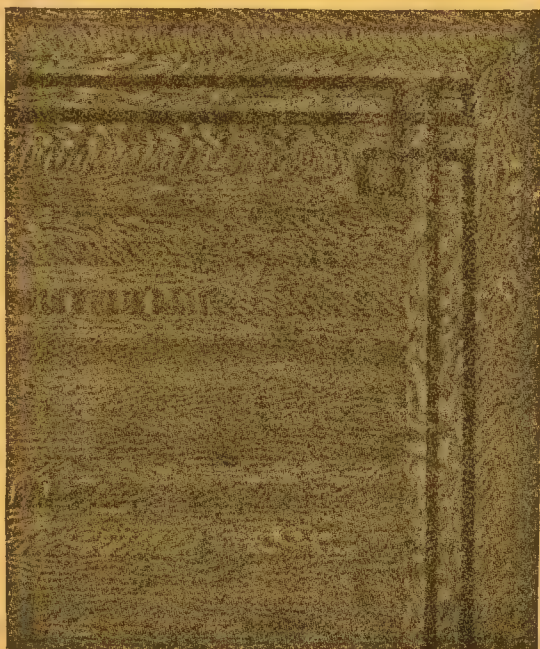
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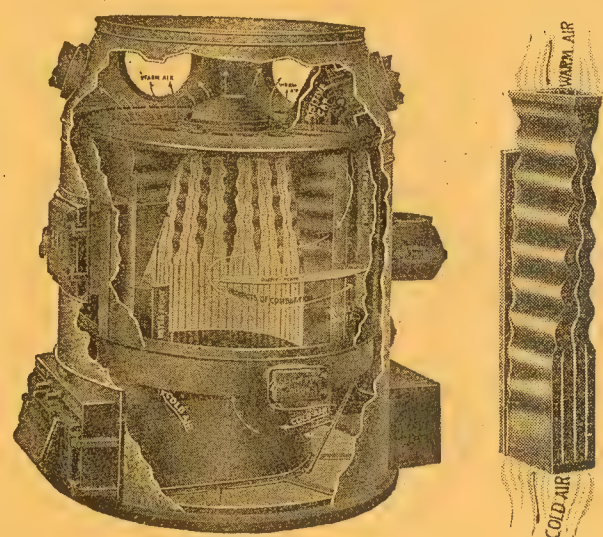
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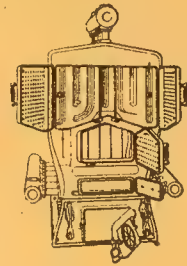
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Vol. XXVII., No. 41.

PHILADELPHIA, WEDNESDAY, OCTOBER 9, 1912.

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## Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Club House**, Schenectady, N. Y. Architects, Harris & Richards, Drexel Building. Owner, Edison Club, care of General Electric Company, Schenectady, N. Y. Brick, two stories, 50x105 feet, slag roof, electric light, steam heat. Owners taking bids.

**Building (alt. and add.)**, 512 South Second street. Architects, Peuckert & Wunder, 310 Chestnut street. Owners, Messrs. Cohen & Sons, 512 South Second street. Brick, four stories, slag roof, electric light, steam heat. Architects taking bids due October 11. The following are figuring: Lam Building Company, 1001 Wood street; Smith-Hardican Co., 1606 Cherry street; H. C. Dahl, 213 South Eighth street; B. Bornstein, 409 South Fifth street.

**Y. M. C. A.**, Pottstown, Pa. Cost, \$75,000. Architects, Lachman & Murphy, Witherspoon Building. Owners, Y. M. C. A., Pottstown, Pa. Brick and limestone, terra cotta, four stories, 79x150 feet, slag roof, electric light, steam heat. Architects taking bids due October 15. The following are figuring: Roydhouse-Arey Company, Fidelity Building; Metzger & Wells, Heed Building; A. Bottoms & Sons Company, 41 South Fifteenth street; Charles McCaul Company, Tenth and Sansom streets; Beard Construction Company, Reading, Pa.

**Residence**, Moreland avenue and Navahoe street, Germantown. Architects, Harris & Richards, Drexel Building. Owner, Henry L. Davies, Jr., Germantown. Stone, two and one-half stories, 37x70 feet, electric light, slate roof. Plans completed. Architects ready for bids.

**School**, Third and Mifflin streets. Architect, J. H. Cook, Land Title Building. Owners, Board of Education, City Hall. Brick, limestone and terra cotta, fireproof, four stories, 112x279 feet, slate and slag roof, electric light, steam heat, enamel brick. Owners taking bids due October 15. The following are figuring: J. E. & A. L. Pennock, Land Title Building; F. Roe Searing, Perry Building; B. Ketcham's Sons, 1029 Brown street; Wayne Contracting Company, 1214 Filbert street; J. G. Doak & Co., Crozer Building; T. Reilly, 1616 Thompson street; Cramp & Co., Denckla Building; Sax & Abbott, Hale Building; Mitchell Bros., 2125 Race street.

**Residence**, Oak Lane, Pa. Cost, \$12,000. Architects, Sauer & Hahn, 1112 Chestnut street. Owner's name withheld. Stone, two and one-half stories, 30x54 feet, slate roof,

electric light, steam heat, hardwood floors. Plans in progress.

**Building (alt. and add.)**, 47 North Third street. Architects, Sauer & Hahn, 1112 Chestnut street. Owners, Fidelity Trust Company, 325 Chestnut street. Brick, five stories, steam heat, electric light, slag roof. Plans in progress.

**Hall Building**, Morton, Pa. Architect, G. W. Grover, Morton, Pa. Owners, Knights of Pythias, Morton, Pa. Brick, three stories, 35x64 feet, slag roof, electric light, hot air heat. Owners have received bids.

**Office Building**, Tenth and Luzerne streets. Architect's private plans. Owners, Philadelphia Rapid Transit Company, Eighth and Dauphin streets. Brick, two stories, 60x100 feet, tile roof, electric light (heating, central plant). Plans in progress.

**Post Office**, 5226 Market street. Architects, Sauer & Hahn, 1112 Chestnut street. Owner, Penrose Fleisher, 1512 Chestnut street. Brick, one story, 25x214 feet, slag roof, electric light, steam heat. Plans completed. Architects ready for bids.

**Building (alt. and add.)**, 1106 Arch street. Architects, Ballinger & Perrot, 1209 Arch st. Owner, J. J. McLaughlin, care of architect. Brick, four stories, 20x70 feet, slag roof, electric light, steam heat. Architects taking bids due October 9. The following are figuring: Gaffney & Co., 130 North Twelfth street; G. C. Dougherty, 1711 Ranstead street; W. R. Brown, 2145 East Fifth street; H. H. Burrell, 1204 Chancellor street; A. Whitehead, 1624 Latimer street; B. Ketcham's Sons, 1029 Brown street.

**Passenger Station**, Bound Brook, N. J. Architect's private plans. Owners, Central Railroad of New Jersey. Brick, one story, 30x86 feet, slag roof, electric light, steam heat. Owners taking bids due October 5. J. E. & A. L. Pennock, Land Title Building, are figuring.

**Market House (alt. and add.)**, Twenty-ninth and Market streets. Architect's private plans. Owners, Pennsylvania Cold Storage and Market Company, on premises. Brick and concrete, three stories, slate roof, electric light. Owners taking bids due October 15. The following are figuring: William Steele & Sons, 1600 Arch street; Armstrong & Latta, Land Title Building; A. R. Raff, 1635 Thompson street; Roydhouse-Arey Company, Fidelity Building.

**Stable (alt. and add.)**, Wallingford, Pa. Architect, R. G. Holland, Wallingford, Pa. Owners, Dr. W. H. Furness, Wallingford, Pa. Stone and frame, two stories, shingle roof. Owner has received bids.

**Residence (add.)**, Westtown, Pa. Architects, Baker & Dallett, 1629 Chestnut street. Owner, Judge J. G. Gordan, North American Building. Stone and frame, two stories, slag and tin roof, electric light. Architects taking bids due October 8. The following are figuring: J. P. Thompson, 1432 South Penn Square, Philadelphia, and the following of West Chester, Pa.: C. R. Baldwin, W. H. Jones, W. R. Burns and P. E. Jeffries.

**Post Office (remodeling)**, Harrisburg, Pa. Architect, Oscar Wenderoth, Treasury Department, Washington, D. C. Owner, U. S. Government, Treasury Department, Washington, D. C. Brick and stone, one story, 46x121 feet, fire proof, tin roof, steam heating, electric lighting. Owner taking bids due 3 P. M., November 12. D. S. McCarthy, 411 Walnut street, is figuring.

**Residence**, Spring Mill, Pa. Cost, \$5,000. Architect, H. B. Ward, Witherspoon Building. Owner, Mrs. J. Costello, care of architect. Stone, two and one-half stories, 30x40 feet, shingle roof, hot water heating. Architect taking bids due October 15. Frank R. Heavner, Norristown, Pa., and Algernon Jones, Conshohocken, Pa., are figuring.

**Warehouse (alt.)**, Eleventh and Ridge avenue. Architect's private plans. Owners, Walls, Owens & Stambach Company, on premises. Brick, four stories. Owners taking bids due October 10. James G. Doak & Co., Crozer Building, is figuring.

**Residence and Garage**, Haverford, Pa. Architect, Mrs. Geraldine E. Mitchell, care of architect. Plaster, two and one-half stories, 45x95 feet, shingle roof, electric light, hot air heat, hot water heater, hardwood floors, three bath rooms. Garage, two stories, 28x39 feet. Architects taking revised bids due October 8. The following are figuring: J. Sims Wilson, 1025 Brown street; H. Ketcham's Sons, 1129 Brown street; H. L. Brown, 1714 Sansom street; Milton Young, Overbrook, Pa.; Alfred James Balla, Pa.

**Garage**, Gibbsboro, N. J. Architects, Ballinger & Perrot, 1211 Arch street. Owners, John Lucas & Co., 322 Race street. Brick, one story, 41x48 feet, slag roof, electric light, steam heat. Architects taking bids due October 10. The following are figuring: George



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Smith, Gibbsboro, N. J.; J. S. Rogers Company, Moorestown, N. J.; D. H. Sharp, Camden, N. J.; Cramp & Co., Denckla Building, Philadelphia.

**Residence and Garage, Overbrook, Pa.** \$25,000. Architects, Magaziner & Potter, 135 South Fifth street. Owner, E. A. Bookmyer, 424 Walnut street. Stone and half timber, two and one-half stories, 76x100 feet, tile roof, electric light, steam heat, hardwood floors. Architects taking bids due October 21. The following are figuring: A. R. Raff, 1635 Thompson street; A. L. Fretz & Sons, 1222 Chancellor street; Milton Young, Overbrook; H. C. Dahl, 231 South Ninth street; J. R. Wiggins, Heed Building; Stacey Reeves & Sons, 1611 Filbert street; Oak Lane Park Building Company, Oak Lane, Pa.; Gray Bros., Rosemont, Pa.; Roydhouse-Arey Company, Fidelity Building; H. E. Grau Company, 1707 Sansom street.

**Farm House (alt. and add.), Rydal, Pa.** Architects, F. G. Caldwell, Stephen Girard Building. Owner, Rydal Land Company, care of Herkness & Stetson, Land Title Building. Plaster, two and one-half stories, 16x45 feet, hot water heat, electric light. Architect taking bids due October 12. The following are figuring: Bowers & Logan, 2010 Chancellor street; John Davies, 1208 Chestnut street; M. Hauser, Glenside, Pa.; Frank Nash, Willow Grove; H. Specht, Willow Grove, Pa.; J. J. Kauffie, Lansdale, Pa.; Joseph Ashby, Fox Chase, Pa.; W. J. Stevens, Wyncote, Pa.

**Garage, Rydal, Pa.** Architect, F. G. Caldwell, Stephen Girard Building. Owners, Rydal Land Company, care of Herkness & Stetson, Land Title Building. Frame, one and one-half stories, 14x30 feet, shingle roof. Owners taking bids due October 10. The following are figuring: Henry Specht, Willow Grove, Pa.; W. J. Stevens, Wyncote, Pa.

**Bungalow, Browns Mills, N. J.** Architects, Druckenmiller, Stackhouse & Williams, Land Title Building. Owner's name withheld. Frame, two stories, 22x38 feet, shingle roof, hot air heat, hardwood floors, electric light. Revised plans in progress.

**Library, Charleston, S. C.** Architects, McGoodwin & Hawley, 34 South Sixteenth street, Philadelphia. Owner, Charleston Library Association, Charleston, S. C. Brick, one story, 53x75 feet. New plans in progress.

**Residence (alt. and add.), Wilmington, Del.**

\$12,000. Architects, DeArmond, Ashmead & Bickley, 618 Chestnut street. Owner's name withheld. Frame, two and one-half stories, two wings, 18x30 and 15x20 feet, hot water heat, hardwood floors, electric light, shingle roof, five bath rooms. Plans in progress.

**Residence (alt. and add.), Rose Tree, Pa.** Architects, Heacock & Hokanson, Bailey Building. Owner, Charles Leedom, Rose Tree, Pa. Plaster, two and one-half stories, slate roof, electric light. Architects taking bids due October 11. The following are figuring: J. B. Flounders, 1329 Arch street; George W. Grover, Morton, Pa.; H. E. Grau Company, 1709 Sansom street.

**Residence (alt. and add.), Germantown, Philadelphia.** Architects, Duhring, Okie & Zeigler, Bailey Building. Owner, T. Lewis Thomas, Germantown, Philadelphia. Frame, two and one-half stories, shingle roof, hardwood floors, electric light. Architects taking bids due October 11. The following are figuring: W. J. Stevens, Wyncote, Pa.; F. B. Davis, 35 South Seventeenth street; W. C. Wright, 22 Harvey street; McClintock & Weaver, 24 Phil-Elena street; R. W. Neff, 6610 Germantown avenue.

**Graduate School, Thirty-fourth and Walnut streets.** Cost, \$300,000. Architects, Stewartson & Page, 320 Walnut street. Owners, University of Pennsylvania, on premises. Stone and brick, three stories. Plans in progress.

**Factory, Westmoreland and Hancock sts.** Architects and engineers, William Steele & Sons, 1600 Arch street. Owners, Brown Hosiery Company, on premises. Brick, two stories, 108x250 feet, slag roof, electric light, steam heat. William Steele & Sons are taking sub-bids.

**Building (alt. and add.), 47 North Third street.** Architects, Sauer & Hahn, 1112 Chestnut street. Owners, Estate of Samuel Meyer, care of architect. Brick, five stories, electric light, slag roof. Architects taking bids due October 11. The following are figuring: Geo. Hogg, 1634 Sansom street; Charles McCaul Company, Tenth and Sansom streets; Stacey Reeves & Sons, 1609 Filbert street; Lam Building Company, 1001 Wood street; Smith-Hardican Company, 1606 Cherry street; J. F. McCloskey, 210 New street; Ash Construction Company, 1320 North Eleventh street.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Residence and Garage, Morris and Pacific avenues, Atlantic City, N. J.** \$31,000. Architect, Frank Seeburger, Pennsylvania Building. Owner, J. C. D. Henderson, 4522 Spruce street, Philadelphia. Brick, limestone and marble, four stories, 40x71 feet, electric light, hot water heat, slate roof, hardwood floors, hot water heater. Contract awarded to W. S. Higbee, Atlantic City, N. J.

**Footway Tunnel, Meadowbrook, Pa.** Architect, W. Hunter, Twelfth and Market sts. Owners, Philadelphia and Reading Railroad Company, Reading Terminal. Brick and concrete. Contract awarded to E. L. Seeds, 6314 Wissahickon avenue.

**Fire Tower, 1712 Chestnut street.** Architects, Seymour & Paul A. Davis, 1713 Sansom street. Owner, Presser & Co., Presser Building. Brick, four stories, electric light. Contract awarded to Mitchell Bros., 2125 Race street.

**Bank, Twenty-ninth and Dauphin streets.** Cost, \$42,000. Architect, W. C. Furber, 416 Walnut street. Owners, North Penn National Bank, 2243 North Twenty-ninth street. Brick, limestone and granite, one story, 46x82 feet, fireproof, asbestos roof, electric light, steam heat. Contract awarded to E. H. Sturts, 2614 Ridge avenue.

**Residence and Garage, Merion, Pa.** Architect, Charles Barton Keen, Bailey Building. Owner, Van Court Carwithen, Mariner and Merchants Building. Stone, two and one-half stories, 55x30 feet, tile roof, hot water heat, electric light, hardwood floors. Contract awarded to Milton J. Young, Overbrook, Pa.

**Restory, Twenty-eighth and Diamond sts.** Architects, Ballinger & Perrot, 1211 Arch street. Owners, Church of the Most Precious Blood, care of Rev. J. K. J. Kirlin, on premises. Stone, three stories, slate roof, electric



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light, steam heat. Contract awarded to J. McShain, 631 North Seventeenth street.

**Factory (add.)**, 462 North Ninth street. Cost, \$7,500. Architect, Carl P. Berger, 1416 South Penn Square. Owner, Hellwig Silk Dyeing Company, on premises. Brick, three stories, tin and slag roof, electric light. Contract awarded to B. Ketcham's Sons, 1029 Brown street.

**Store (alt. and add.)**, Twelfth and Morris streets. Cost, \$3,000. Architects, Milligan & Pierson, 520 Walnut street. Owner, Albert Kaiser Bros., 1653 Passayunk avenue. Brick, three stories, slag roof (steam heat and electric light reserved). Contract awarded to John Ehmann, 1026 Mountain street.

**Building (alt. and add.)**, 436 Market street. Cost, \$2,000. Architect, J. A. MacMahon, 116 South Fifty-fourth street. Owners, Estate of William E. Donovan, on premises. Brick, steel and glass, electric light, steam heat. Contract awarded to Smith-Hardican, 1606 Cherry street.

**Factory Building**, Hillcrest, Pa. Architects, Savery, Scheetz & Savery, Stephen Girard Building. Owners, Voltax Paint Company, of Pennsylvania, 4245 North Sydenham street. Brick, one story, 45x90 feet, boiler house, 22x15 feet, slag roof. Contract awarded to Carvan Construction Company, 5143 Irving st.

**Stable (alt. and add.)**, Twenty-sixth and Jefferson streets. Architect, O. R. Barry, 1723 Chestnut street. Owners, The Mills, Jones-McEen Company, 6655 Germantown avenue. Brick and concrete, two stories, slag roof, electric light. Contract awarded to Thomas C. Trafford, 1613 Sansom street.

**Store (alt. and add.)**, 1215 Walnut street.

Cost, \$10,000. Architects, Stuerkert & Sloan, Crozer Building. Owner, Standard Sanitary Mfg. Company, 1128 Walnut street. Brick, electric light, steam heat and interior alterations. Contract awarded to Harry Gill, Jr., 2200 Germantown avenue.

**Building (alt. and add.)**, Eleventh and Filbert streets. Cost, \$20,000. Architect's private plans. Owners, Bell Telephone Company, Thirteenth and Arch streets. Brick, six stories, electric light. Contract awarded to F. W. Van Loon, Denckla Building.

**Battery House**, Thirty-second and Powelton avenue. Cost, \$8,000. Architect's private plans. Owners, Pennsylvania Railroad Company, Broad Street Station. Brick, one story, 30x149 feet, slag roof. Contract awarded to Roydhouse-Arey Company, Fidelity Building.

**Residence (alt. and add.)**, South Ashfield, Mass. Architects, Mellor & Meigs, Lafayette Building. Owner, Dr. Francis V. Murray, 32 West Thirty-ninth street, New York City. Frame, two and one-half stories, 200x50 feet, four bath rooms, billiard room, etc. Contract awarded to Anton Dige, Ashfield, Mass.

**Warehouse and Office Building**, Camden, N. J. Architect's private plans. Owners, Armstrong Cork Company, Camden, N. J. Brick and concrete, four and five stories, 163x320 feet, slag roof, electric light, steam heat, elevators. Contract awarded to D. H. Sharp, 223 North Eighth street, Camden, N. J.

**Factory (add.)**, D and Ontario streets. Architect's private plans. Owners, Philadelphia Storage Battery Company, on premises. Brick, two stories, 50x186 feet, slag roof. Contract awarded to Stewart Bros., 2526 N. Orkney street.

J. M. H. Walton (O), Thirtieth and Master streets. P. Haibach Contracting Company (C), 2530 West Thompson street. Cost, \$19,000. Warehouse, brick, four stories, 48x270 feet.

## Alterations and Additions

V. Ridgway (O), 122 Manheim street. Lewis Exhard (C), 1320 Carlisle street. Cost, \$3,000. Dwelling.

A. M. Collins Mfg. Company (O), American and Bodine streets. R. C. Ballinger & Co. (C), 218 North Thirteenth street. Cost, \$6,500. Manufactory, Third and Cambridge streets.

Ira S. Fallin (O), 33 South Front street. H. B. Hunt (C), 1117 South Forty-seventh street. Cost, \$1,500. Apartments, Forty-fourth and Walnut streets.

City of Philadelphia (O), City Hall. Wayne Contracting Company (C), 1214 Filbert street. Cost, \$41,550. Congress Hall, Sixth and Chestnut streets.

Horace Linton (O), 6404 North Seventh street. Oak Lane Park Building Company (C), Oak Lane, Pa. Cost, \$1,000. Residence.

Pennsylvania Hospital (O), Forty-fourth and Market streets. J. S. Cornell & Sons, Land Title Building. Cost, \$2,800. Hospital.

Cochran Estate (O), Morris Building. Harry Gill, Jr. (C), 2200 Germantown avenue. Cost, \$10,000. Store, 1215 Walnut street.

West Philadelphia Stock Yards Company (O), Thirtieth and Race streets. Irwin & Leighton (C), 126 North Twelfth streets. Cost, \$70,000. Packing House, Thirtieth and Race streets.

Charles K. Smith (O), 9201 Germantown avenue. J. E. Wait (C), 204 East Willow Grove avenue. Cost, \$16,000. Art Gallery, 9201 Germantown avenue.

Philadelphia Record (O), 917 Chestnut street. A. R. Raff (C), 1635 Thompson street. Cost, \$2,800. Building.

Brown Knitting Mills Company (O), Hancock and Westmoreland streets. William Steele & Sons (C), 1600 Arch street. Cost, \$35,000. Factory.

W. E. Freihofer (O), Twentieth and Indiana avenue. P. Haibach Contracting Company (C), 2530 West Thompson street. Cost, \$3,500. Warehouse, Fifty-second and Filbert streets.

M. Weicht (O), 730 Rising Sun Lane. August Schoen (C), 143 West Wyoming avenue. Cost, \$2,650. Manufactory, 732 Rising Sun Lane.

Julius Welner (O), 905 Walnut street. P. J. Gaffney Company (C), 137 North Twelfth street. Cost, \$6,000. Stores, 923 Walnut street.

H. N. Williams (O), Eighty-sixth and Gibson avenue. Cost, \$1,800. Eighty-sixth and Albertson street.

J. H. Reach Company (O), Tulip and Palmer streets. William Steele & Sons (C), 1600 Arch street. Cost, \$2,000. Factory.

W. H. Merrick (O), School lane. F. T. Mercer Company (C), 1706 Delancey street. Cost, \$3,500. Garage, School lane and Reading Railroad.

C. H. Eckman (O), 2126 North Sixteenth street. Cost, \$10,000. Two dwellings, brick, three stories, 26x36 feet, Park avenue and Chelton avenue.

Seltzer & Wallace (O), 400 Chestnut street. George Anderson (C), 2017 Emily street. Cost, \$1,100. Store and dwelling, 1628 South Twentieth street.

H. S. Jennings (O), 1218 Snyder avenue. D. O. Kelly (C), 2046 East Orleans street. Cost, \$2,900. Theatre, Fifth and Tabor sts.

Samuel Jamison (O), 315 South Water

## Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

E. G. Burwell (O), 2327 Ellsworth street. Cost, \$3,600. Two dwellings, brick, two stories, 16x58 feet. Cost, \$6,400. Four dwellings. Cost, \$3,600. Two dwellings, Seventy-seventh and Laycock streets.

W. W. Lechler (O), 3705 Germantown avenue. H. E. Wagner (C), 5030 Keyser street. Cost, \$5,500. One dwelling, brick, three stories, 27x39 feet, Castor and Folkrod streets. Cost, \$5,00. One dwelling. Cost, \$7,400. Two dwellings. Cost, \$24,800. Eight dwellings.

A. Kaiser & Bros. (O), 1650 East Passyunk avenue. J. Ehmann (C), 1026 Mountain street. Cost, \$3,000. Stone and brick, three stories, 18x59 feet, 1646 East Passyunk avenue.

C. A. M. & O. Mahon (O), 1012 Rockland street. Cost, \$40,300. Thirteen dwellings, brick, 16x53 feet, two stories, Thirteenth and Eleanor streets. Cost, \$22,400. Eight dwellings. Cost, \$40,300. Thirteen dwellings. Cost, \$22,400. Eight dwellings.

B. F. Reiger (O), 223 Passyunk avenue. Cost, \$4,400. Two dwellings, brick, two stories, 16x48 feet, Seventy-first and Elmwood avenue.

Board of Public Education (O), Land Title

Building. Cramp & Co. (C), Denckla Building. Cost, \$110,000. School, brick, two stories, 250x206 feet, Eighty-eighth and Tincum avenue.

J. M. Kennedy, Jr. (O), 1001 Chestnut street. C. R. Johnson (C), Eighty-second and Botanic avenue. Cost, \$2,800. Two dwellings, brick, two stories, 25x100 feet, Eighty-second and Laycock avenue.

Philadelphia Rapid Transit Company (O), Eighth and Dauphin streets. Cost, \$1,500. Office building, Fiftieth and Woodland avenue.

Charles F. Myers (O), 206 West Washington Square. Charles Townsend (C), 5512 North Fairhill street. Cost, \$5,000. Two dwellings, brick, two stories, 16x53 feet, Olney avenue and Mascher street.

W. J. Robertson (O), Germantown. A. K. Schock (C), 45 Grover lane, Germantown. Cost, \$1,900. Dwelling, brick, two stories, 16x55 feet, Germantown.

J. J. Pfeffer (O), 148 Bread street. H. E. Baton (C), Tenth and Sansom streets. Cost, \$4,000. Factory, brick, one story, 22x72 feet, 148 Bread street.



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## THE AMERICAN ARCHITECT AND THE PUBLIC

Influence of Commercialism on the Development of Architecture as an Art—  
Importance of a Proper Understanding of Business Methods to the  
Novice in Practice—Attitude of the Public.

By ANDREW J. SAUER

Architecture considered as a business, archi-  
tecture viewed as a profession and architect-  
ure regarded as an art are not frankly synon-  
ymous. As a business architecture involves  
building, as a profession has to do with design  
and building, and as an art includes all of  
these elements and becomes a vehicle of  
thought.

Until some ten or fifteen years ago archi-  
tecture, in the United States, was largely a  
business. To-day it is a profession in which  
signs are not wanting of the development of  
that higher ideal wherein art and intellectual-  
ity vitalize and add soul to the design. As a  
business architecture is ground out much  
after the fashion of any other commercial  
product and paid for on a competitive basis.  
As a profession a standard of excellence is  
observed, and uniform charges are the rule.  
As an art it becomes a matter of individual  
talent, removed from the domain of com-  
petitive business and entails a fee based upon  
achievement rather than upon ordinary or  
even extraordinary commercial standards.

As time goes on these classifications be-  
come more and more distinct. Absolute lead-  
ership may for a time go unrecognized; in  
the end the men who think rationally, study  
deeply and design unaffectedly will have their  
day. That this present age, with its sub-  
jugation of so many material forces and its  
splendors of a sort hitherto unknown to man  
is one of the most marvelous in the world's  
history, there will be few hardy enough to  
deny—least of all those who profess the art  
and science of building.

To the leaders among these are assured to-  
day conditions similar at least to those mark-  
ing the spacious days of the brilliant past;  
magnificent opportunities for instance,  
wealthy patrons, and a great, almost too  
great, profusion of opulent material with  
which to deal. Why, with so much in the  
architect's favor under present day condi-  
tions, does this work fail to hold its own  
with that of older periods?

The fact is that something of that divine  
afflatus which made other ages great is lack-  
ing, something which, although viewed light-  
ly through modern spectacles, is obviously es-  
sential. It is as if through continued success  
in conquering the domain of the material, the

human spirit has lost the energy and enthus-  
iasm with which it was once endowed has  
grown callous and indurated until the cre-  
ation of strong vital successes in art have  
become impossible; as if the commercialism  
which ramps over the length and breadth of  
our continent, has cast a sort of blight over  
all art. Another and possibly as signal a  
cause of failure is to be found in the attitude  
of the public. The public is certainly not  
interested in architectural exhibitions. The  
efforts of all the architectural societies in  
the country have yet to result in a single  
architectural exhibition which can, in any just  
sense, be called popular.

The vital necessity is not to teach the pub-  
lic what is good architecture, so much as to  
bring them to a clearer appreciation of the  
function of the architect. To many people  
the architect is a sort of an upper crafts-  
man; less business-like than a mason and not  
as practical as a carpenter; one who increases  
the cost of the building for some unknown  
reason and keeps everybody guessing. Look-  
ing back over the progress of the profession  
in this country for the past quarter of a cen-  
tury one may easily gather something of how  
modern an institution the American architect  
is and how little he is really understood.

While never fully equal to its opportunities,  
the profession has made and is still making  
a brave fight. When we say the public ap-  
preciates architecture, we do not imply nor do  
we mean to have inferred, a knowing or an  
intelligent appreciation. The thought we  
seek to convey is that it simply likes a large  
handsome piece of building construction and  
takes kindly to really good architectural mon-  
uments. What needs to be done is to edu-  
cate this artless public taste by the creation  
of museums of good architecture. Here is a  
question which deserves consideration and  
one which, if carried out intelligently, would  
undoubtedly go a long way to bring about  
better conditions. The collection of archi-  
tectural casts in the Metropolitan Museum, at  
New York, is studied, and it is safe to say  
admired more than any other feature of that  
magnificent collection. There should in my  
judgment be similar collections in all of our  
large cities. Whether the time is yet ripe  
for these to be independent collections re-



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mains to be considered. Most of our museums have a more or less general collection of architectural casts, which if enlarged, so as to be more specific in their illustrations and to include models of completed buildings of the best type, furnished interiors and architectural drawings, could become powerful agents for the enlightenment of popular taste.

It is probable that in no country in the world has architecture been so injuriously influenced by commercialism as here in the United States. It therefore becomes a question to estimate the extent of the effect of the commercialism upon architecture considered purely as a fine art. In the solution of this question lies the prospect of the future. We have doubtless all felt at times that we could do a little better, be a little more successful in our work, if we were not obliged to consider the cost, or if our clients would only step to one side, put off all question of cost, and give us complete sway. It is doubtful, however, upon second thought, whether this freedom would conduce to the best ideals or growth. Development counts not along the lines of the paths, with which we are most familiar, and which we are conscious of having mastered, but issues not infrequently from our failures, from attacking problems new to us, from reconciling hostile elements, bringing conflicting interests into harmony and hammering antipodal ideas into symmetry and unity. Looked at from this light and measured by results, we are inclined to believe that commercialism, far from threatening the death of art in this country, has been among the direct causes for our strongest and most vigorous growth. It has seemed to constitute, in fact, a species of ferment which has kept the body, architecturally, from becoming stale and mummifying. The most notable illustration perhaps of this tendency is that afforded by our modern office buildings, the so-called skyscrapers. These present a problem primarily utilitarian, in which the business element not only predominates, but in which from first to last the controlling factor is commercialism. Whatever may be said of the results, certainly no other country in the world has solved the problem in anything like so satisfactory a manner as it has been solved here. In the process of studying this type of building a keen alertness has necessarily been developed by our architects. The spirit of rivalry has been sufficiently keen to make each watch the other for every possible advantage and saving with the result that the designing of these tall structures, the expression of which looks at first sight so crude and uninteresting, has become a science as well as an art with profound effect upon the manner in which design is

studied in other lines. Unlimited opportunity has never been good for any one. We need restraints; in order to keep reasonable and sane, thus it happens that the very commercialism that seems sometimes to oppress us so cruelly is constantly working out for our ultimate good. If process accomplishes nothing more, it certainly develops a spirit of competitive co-operation which cannot fail to be of eventual value to our national architecture.

In the process of this natural development, it is inevitable that the spirit of commercialism should at some point interfere with individual successes. There will be opportunities lost, for example, because of the short sighted financial policy of those in control of the purse strings. There will be artistic conceptions curtailed and often ruined because of the wrong emphasis placed upon practical requirements. But on the other hand, and by way of compensating advantage, the spirit of commercialism has brought forth, beyond all other forces, our marvelous architectural development of to-day. If it were not for the immensely increased profits that our buildings have been made to pay in the hands of shrewd magicians of affairs, the business districts of our cities would to-day be as uninteresting as they were forty years back. The speculative builder, it is true, has made our suburbs hideous in places, but the speculative builder has also placed within the hands of some of our architects opportunities such as no previous generation could have imagined and, leaving out of consideration the evil which commercialism may inflict upon our artistic future, it must be acknowledged that there is, in its enlarged opportunity, increased power and augmented material development a potential force for present good. In the final analysis we have to take the good with the bad, and whether it be that the bad is less offensive than we imagine or that the bad is turned to a good purpose, the fact remains that commercialism has to a considerable degree kept architecture alive in this country and that it has brought victory and strength into the profession. This country is to-day the foremost architectural country in the world, measured by its attempts and by its achievements along strictly commercial lines. There is no other land where opportunities are so great nor where on the whole they are so well improved. We owe this frankly to the spirit of commercialism, that spirit which has gone side by side with our marvelous prosperity and has given the architect a fixed place in the genius of American affairs.

There is no royal road to success in architecture any more than in any other calling.

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There are exceptional ones who achieve it all in one leap just as there are others who gain it through social or other influences; the majority labor patiently and persistently. Obvious as are the reasons for the success of the few, even easier is it to account for the failures of the many.

The incapable or dishonest fail, of course, because they should fail, but what of the many who in spite of excellent training, a fair order of ability and the most scrupulous integrity, find it impossible to "arrive?" In nine cases out of ten a lack of tact and ordinary business aptitude will be found at the bottoms of cases such as these.

General culture, proper technical training and a suspicion of artistic feeling are logical indispensables to the successful practice of architecture, but equally as essential is a fitting conception of business methods. It is of importance to the client, for instance, that the plan meet with practical requirements, that needful conveniences have been provided. After these purity of style may be preserved or a certain individuality developed.

Too often the young architect is more concerned with building a monument to himself than with giving his client a practical structure—and here is where he commits not only a grave error, but an injustice as well, treating unfairly the client whose funds he is expending, and who has a right to, first of all, the utilitarian solution of his problem. Not infrequently the young practitioner, impressed with his college training, his draughting experience in the office of an important firm, feels it his "mission" to educate the client, rather than to familiarize himself with his client's needs. He is apt to dream of the artistic possibilities and to neglect entirely or pay little attention to his client's more prosaic instructions. He may even argue himself into carrying out his own personal notions. What is the result? Dissatisfaction and disappointment. That which might have proven for the young architect a stepping-stone turns out a barrier to other commissions.

To win indorsement and approval, it is absolutely necessary to get into touch with the requirements of one's client, to read his character, to enter into his spirit, carefully study his business, his problems, and to look at it as nearly as possible from his point of view.



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Artistic ability will naturally count for much. A liberal amount of common and business sense and willingness to do all and a little more than is expected of him will, however, do much more in the building up of a successful practice.

With the client's confidence gained, objectional interference for one thing need not be feared. Indeed, it is interesting to note how easily the most egotistic of clients may be turned into an enthusiastic supporter with the aid of just a little tact and discretion on the part of the architect.

Nothing is more injurious to the average young practitioner than giving his client an estimate below the actual cost. This means disappointment when cuts have been made and often the sacrifice of things most desired. It is impossible to satisfy a client thereafter. Of course, when this occurs the client is blamed for having added continually. But why was he not informed at the outset that these additions meant greater cost? If warned this disappointment could perhaps

have been avoided. Frankness in stating the actual cost will bring about more satisfaction than any fictitious "low" estimate possibly can. The trouble is that young architects become filled with dreams of technical training and allow themselves to develop exceedingly formal solutions without thinking of the cost. Clients lose confidence when the bids are received and the architect loses clients. To appreciate the full importance of care in these practical details one has only to regard successful practitioners of to-day. The systematic manner in which their work is handled, and the direct methods with which results are accomplished, will in the majority of cases be found greater factors in their success than their admitted artistic ability.

The business man likes to deal with things, buildings included, in a business-like way. He expects to be relieved of details, of worry and annoyance in connection with the matter for which he employs a professional expert. He desires friction avoided and to see things move smoothly. It is because he meets with the contrary that so many important projects are placed in the hands of large construction companies rather than with the architect, leaving it to these companies to employ the architect, as well as the various sub-men, to execute the work. The owner prefers to deal with a well managed organization capable of doing business-like things in a business-like manner. That the owner in such a case bungles his affairs is capable of easy proof. He reduces competition to a minimum and allows, for the one thing, organized companies to superintend and have absolute charge over his work, instead of having the eagle eye of a trained architect and his superintendent scrutinizing the operation and making daily reports.

The avoidance of "extras" is strongly to be counselled. This, of course, requires experience in formulating the plans and specifications. Nevertheless, every effort must be made to prevent such as far as possible. It is but natural that a client should take exception to being required to spend an additional sum for what he supposed was all provided for in the original contract. Many other points might be mentioned, all essential to the young architect in the building up of successful practice. One, however, is of greater importance that is ordinarily believed, and that is the gain of the contractor's as well as the owner's good-will. Not that good-will born of acquiescence in indifferent work, but rather that gained by insistence upon and appreciation of good work and by the evidence of justice and fairness on the architect's part towards the contractor, as well as the client. Too often the young architect places himself upon a plane considerably higher than that of his contractor, and yet how sudden and complete, occasionally, the tumble, when a timely suggestion from the contractor, accepted in the right spirit, might have saved much discomfort. Right along the same line comes the treatment of the material man or the manufacturer of the

specialty. Ask him. In nine cases out of ten, he finds the architect not only too busy to see him when he calls, but with no time ahead for an interview. Not until he sees his more progressive competitor profiting by information thus gained does the average young architect learn of the newer things in the trade. Often it happens that the specialty man looks up the owner direct, who becomes interested, perhaps enthusiastic, and asks his architect to specify the article. The architect objects on general principles, stamping it as new and untried. What is the result? The work is sometimes transferred to the hands of men more in sympathy with "living" ideas. Of course, the material man is blamed for seeing the owner, but what is to be expected of him,—to rest and rust and wait until he is afforded the time to show the merit of his product?

The radical quality has much to do with success. Quite as much as the conservative, and the value of the latter is undisputed.

After all, the elements which make for success in architecture are not different from those which accomplish results in other lines of work. With honesty, frankness, energy, enthusiasm, business-like methods, and a general willingness to serve there is little danger of failure.

Young architects exhibit a tendency sometimes to become filled with ego. In a way, they are a privileged class, and have obtained this privilege even when it may not be deserved by natural endowment, by the very situation in which they find themselves. In most communities there are comparatively few architects, and this in itself makes the architect a somewhat notable figure. His work stands up to be looked at and talked about, and there is always something more or less dramatic in the execution of anything structural that is at all important, particularly where a great many are directly interested. His criticism is often called for. Almost every one nowadays likes to acknowledge an interest in the subject of architecture, and the opinion of the young designer is asked with reference to work that is in progress; and it is sometimes satisfying to him to be able to give expression to his ideas in words that are to the layman a little mystifying; to call attention to virtues and faults that the lay mind has not been able to perceive. This is not a difficult thing to do. It is quite usual to say, "It's mighty good, but I would not have done it in just that way," and this, by the way, is a very simple and useful comment. It indicates toleration and a willingness to admit, generously, that the work of the other man has its good points. It leaves in the mind an impression that you have grasped the problem at once, but can see many solutions beyond the one presented. Of course, you cannot be expected to say off-hand which one of your ideas is the very best. And for the moment you may feel quite important. The expressions and terms of the profession are unfamiliar, and interesting, so that, holding strong cards, the archi-



tect has an easy victory in any discussion of things artistic.

There is, perhaps, no class of young men to which is given the disposal of large sums of money with as little check. Few men will turn over \$50,000 to \$100,000 to a person in any other profession who had so little experience in business matters.

The public is prepared in this generation more so than for a very long time to be led in matters of building, and is giving young men opportunities to show them the way as they have not done since any one, now living, can remember. Here and there all over the country committees and individuals are calling upon men with technical training to build for them something better than they have had before. It is often not hard to do this, particularly in outlying districts, and with very little thought the architect can put up a building that is so much better than anything round about it is likely to be called good.

An architect is called upon to have an unusual amount of general information, simply to cover the many branches of his own busi-

ness, but even that is not enough. If he is to lead the public ideals to a higher ground, he must be a man of wider appreciations than those involved in his own work.

There are many business men who do not impress one as particularly interesting until one finds that they have some accurate special knowledge or "hobby," if you choose to call it so, outside of the regular routine. Your attention is attracted at once by such a man and his opinion on other subjects begin insensibly to assume greater importance. More is expected of the architect in the first place, and if he is to prove as useful as his responsibilities demand, he must acquire, by constant study and reading, by association with people and by travel, a general culture such as will lead to the best of work. Such a culture when attained will never bring with it arrogance or conceit. These will, in fact, have been left behind at a much lower level.

And we must bear in mind that there is nothing in all this which is not open to all of us if we only make full use of our time.

ANDREW J. SAUER.

## Architectural Notes

Willis Polk made an eloquent speech at the dinner given by the World's Fair directors to the distinguished members of the architectural commission, comments "Town Talk." It was a propitious occasion for eloquence. The architects, the artists and the sculptors had finished a three-day session which left them on the edge of brainfag, but their work had shown brilliant results and their minds were attuned to the note of praise. There was deep silence in the red room of the Bohemian Club as Willis spoke, silence occasionally interrupted by applause. Willis was at his happiest. He told how the architect detached himself from the sordid cares of the workday world and plunged headlong into reverie; how he sent his mind careering over the fields of imagination, plucking the flowers of fancy and weaving them into a garland of beauty; how he shut out the stress and turmoil of mere existence and fed his craving soul on the manna of the ideal; and how, while the layman asked that the dirt might fly and that walls should rise to show that the work was proceeding, the architect, wiser, closer in touch with the creative force and conscious that actual construction was the easiest of his labors, kept on dreaming, dreaming, dreaming. A splendid speech, and worthy the applause which rounded out its glowing

peroration. Then arose President Charles C. Moore, who simply said: "You architects are entirely welcome to dream away your sleeping hours, but I want to tell you that the alarm clock is set and when the alarm goes off you've got to get up and go to work."

\* \* \*

It has been stated in the daily papers that Mr. James Knox Taylor, for many years supervising architect of the Treasury Department at Washington, has been invited to become a professor in the department of architecture at the Massachusetts Institute of Technology. A man of Mr. Taylor's rare accomplishments would be an important addition to this dignified school whose faculty already numbers some of the most distinguished educators in the field of architecture.

\* \* \*

A fund of \$50,000 for the establishment of a library of architecture at the Art Institute, Chicago, was the sole public bequest contained in the will of the late D. H. Burnham, disposing of an estate estimated at \$1,300,000. This fund will be used by the Art Institute in purchasing books on architecture at its discretion.

\* \* \*

Mr. Arnold Bennett, the well known English writer, has been contributing a series of

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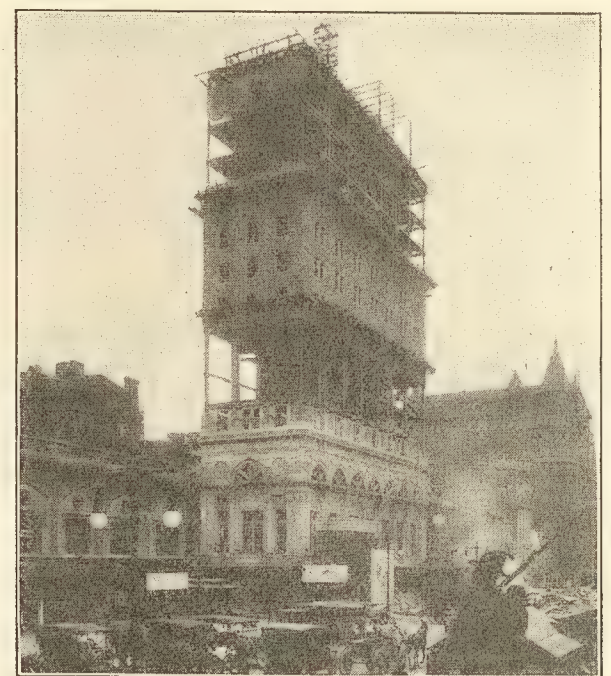
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papers to "Harper's Magazine." Mr. Bennett sees things rather clearly and since he comes from a country where the annual per capita fire loss is about one-seventh of our own, it is rather interesting that he takes a casual slap at our notion of "fireproof." The reference is a mere aside, but is pertinent none the less. Here it is:

"But is anything fireproof in the United States except Tammany Hall, Has not the blazing of fireproof constructions again and again singed off the eyebrows of dauntless firemen? My impression is that 'fireproof' in the American tongue, is one of those agreeable but quite meaningless phrases which adorn the languages of all nations."

\* \* \*

There is a strong and growing sentiment in favor of licensing architects, and this is being manifested in many ways, says "The American Contractor." Recently a list of

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questions, selected with the greatest care, were submitted to various examining boards, including those in the States of Illinois, California, New Jersey, Colorado, Louisiana and Utah, and likewise Quebec and Manitoba, Canada. From the answers received the indications are clearly in favor of licensing architects.

It appears that such laws have found favor in those States and provinces where they exist, architects almost unanimously indorsing them. It has had the effect of breaking down professional combinations, such as "architect and contractor," "architect, builders," etc. This is a consummation devoutly to be wished, since one trade or profession is enough for any man. Since these laws went into effect State universities and technical schools, appreciating their importance, have revised

their courses of instruction to meet demands.

From the answers received it quite clearly appears that such laws have operated to increase competency in designing and planning, while tending to develop a higher moral standard. One who presents himself for examination to secure a license must needs be well prepared or suffer the humiliation of failure. This of itself is highly beneficial, since it leads to study and a review of former studies. Perhaps the more practical and forceful thing suggested in the answers is that the law establishes a standing for the licensed architect, and holds up the unlicensed, hence questionable man, to the view of those desiring to build, thus affording them quite a measure of protection.

Where such laws exist a higher order of architecture is gradually developing, and freak buildings are less frequently constructed. The survival of the fittest is a law of nature, and ought to be one of business and professional life, but this is not always true. "Quacks" and "shysters" do a vast deal of harm, and that in spite of the fact that physicians and lawyers must secure licenses predicated upon a regular course of study. If licenses were not required and any man could "hand out a shingle" and practice law or medicine, this evil would be greatly augmented. With the general licensing of architects the quacks would largely find themselves without an occupation and would be forced to return to their old occupations of wielding trowel, shoving a jack plane and the like. Let us, from an architectural standpoint, separate the sheep from the goats.

\* \* \*

Twenty-five years ago architects and engineers called him a "troublesome crank,"

says the California Architect and Engineer," writing of Architect F. W. Fitzpatrick, ten years ago they said he was a "visionary enthusiast," and to-day they are falling over one another in their haste to do as he has been preaching and to assure the "plain people"—who are beginning to know something about the matter themselves and to inquire—that that's the way they always intended to build, that they always knew all about it, and indeed, that Fitzpatrick is making an unnecessary lot of noise, for all of the big buildings, anyway are fireproof.

He has been a sort of John the Baptist, sometimes preaching in the desert, but mostly harranguing the cities and the builders, and he has made them listen. The better construction of our cities has been his hobby, his ambition. A city is but an aggregation of buildings, and as is the character of those buildings so is the city good or bad.

Mr. Fitzpatrick has most aptly put it that fireproof construction is, like a chain, only as strong as its weakest link, and, generally speaking, architects and engineers seem satisfied to have but one strong link in the building, its structural skeleton.

He has patiently, but persistently, agitated the matter in the press, preached to the cities, heckled the architects, organized civic societies, gotten the building departments together and made so much stir about it that at first a few others followed him, and now literally hordes are marching in his footsteps. There are National Fire Prevention Societies, nearly every State has some such organization; the insurance people preach fire prevention; there are journals devoted to the cause, and the agitation is so widespread that there is hardly a city in the Union that has not just revised its building code, or is doing it now. And it has been recognized that certain restrictions that Mr. Fitzpatrick advised years ago, and that not more than five years ago were looked upon as intolerable hardships, are and always have been veritable boons and the very greatest economies to the municipality and to the individual. And it is time that good, safe construction be compulsory, for our fires have been growing at a far more rapid ratio than has our population or our wealth.

Mr. Fitzpatrick's early training was as a military engineer, but he soon branched off into architecture. He is as well known in Europe and in Canada as he is in this country as one of the great authorities on construction. Many contend that the inception, the invention of the steel frame, the "skyscraper" construction, was his.

At the same time he ranks as one of the best and most artistic designers in the land—a rare combination. His early success was in the Middle West and in Canada, but for the past fifteen years he has lived at the National Capital, at first designing important and notable buildings for the Federal Government and for the States, and latterly confining his practice exclusively to consultation work.



He is a prodigious worker, for, in spite of his professional work and his fire-prevention campaign and all the labor it entails, the travel, the writing of city codes, text-books, and what not, he still finds time to devote to other almost as useful hobbies. The "City Beautiful" movement, and "Postal Savings," for instance. At the latter he worked for years as a "side issue," and it was owing in no small part to his persistent endeavors that it finally became a law. His splendid physique enables him to do two men's work. Though nearly fifty, he is one of Washington's most earnest and active athletes, a great walker, rides much, plays a fine game of tennis, sleeps out of doors the year round, and pleads guilty of being a good deal of a "crank" in general. His friends qualify that by insisting that he's one of the most useful and interesting cranks in the land.

\* \* \*

Writers in the architectural and non-technical press who bewail our supposed lack of an "American style" may find the following

clipped from the New York "Press" of interest:

"There is an American architecture," said the traveler, "but not many Americans will believe it until they have taken a course in moving picture shows in foreign countries. That was what convinced me. Owing to ignorance of foreign languages we sought most of our dramatic entertainment in Europe from the cinematograph. No matter where we went one-half the pictures were American. Sometimes they were so labeled, sometimes not, but whether they were or not we soon learned to tell American pictures by the architecture. Skyscrapers, of course, were the chief distinguishing mark, but high-stooped stone houses and frame cottages with two or three wooden steps leading up to a porch were just as unmistakably American. All the way from Iverness to Cairo the minute we set eyes on one of those houses we knew we were looking at something that couldn't be duplicated outside the United States, and all the rest of the audience knew it, too."

tractor, has invented a composition building block known as Abestine. As the name indicates the block is fireproof and is used more particularly for the parts of buildings exposed to the greatest fire risk. The block is a Helena production and has met with great favor, not only from builders but from the insurance companies. The blocks are sound proof and are non-conductors of heat and cold. They can be sawed and cut like a board. They are light, strong, durable and inexpensive.

\*\*B. F. Lippold, formerly managing editor of "Rock Products," has been put in charge of the recently established publicity department of the Charles Warner Company at Wilmington, Del. Mr. Lippold's ability and experience will enable him to handle this work in praiseworthy fashion and make it produce effective results. Besides the advertising of the Charles Warner Company the new publicity department will also be in charge of the "Mason Builder" and "Farm Economics," the two house organs published by the firm.

\*\*Tidewater Portland Cement Company, Baltimore, Md., has closed contracts within thirty days for 150,000 barrels of cement for use by the government in construction at Washington, D. C.

\*\*An interesting sidelight on the condition of business in the South is afforded in an interview with Mr. C. M. Lynch, who assumed charge of the Sales and Traffic Department of the Alabama Cement and Lime Company on July 1. He states that bookings now in hand together with current business assures the operation of the plant on full time throughout the winter season. This is a most creditable showing for the new head of the Sales Department as well as for the construction outlook in the South. Mr. Lynch was formerly with the Alpha Portland Cement Company and more recently with the Standard Portland Cement Company. He is a native of Washington, D. C., and a graduate of the University of Florida. Under his energetic direction the Red Diamond brand bids fair to become one of the leading Portland cements of the South.

\*\*Announcement is made of the resignation of P. Austin Tomes as manager of publicity of the Atlas Portland Cement Company taking effect September 1. Mr. Tomes has had full charge of Atlas publicity throughout the wonderful campaign which has not only made Atlas a household word in America, but has also exerted a most wonderful effect on the development of concrete construction throughout the country. The Atlas campaign has been regarded among students of modern industrial publicity as the most effective example of promotive advertising ever done by a single corporation up to that time, and as the trail-blazer for others which have continued and extended the work. Every firm and individual engaged in any branch of concrete work in America has probably felt the influence of the Atlas publicity and secured

(Continued on page 666)

## Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

\*\*The Foundation Company, 115 Broadway, is laying the foundation for the Railway Exchange Building at St. Louis, which will be one of the largest office buildings in the Mississippi Valley. It covers an area of an entire city block, and is supported on 110 piers, all of which are carried to bed rock. In the sinking of these piers, a large amount of water was encountered, which added greatly to the difficulties. It was necessary, therefore, to use the pneumatic process largely. The purpose of this building is to accommodate the executive offices of many of the railroads centering in St. Louis.

\*\*David H. Ray has resigned as chief engineer of the Bureau of Buildings of New York City to enter private practice as consulting engineer, with offices at 27 West Thirty-third street, New York. He has served as chief engineer for two years past, during the projection and construction of the Woolworth Building and other large structures.

\*\*H. W. Johns-Manville Company announce that it has established a special waterproofing department in connection with its business. The company intends that this department shall be an assistance and value to the architects, engineers and others directly or indirectly interested in the subject of waterproofing, and to this end H. W. Lawrence, a recognized waterproofing expert, has been placed in charge.

\*\*According to figures compiled by Joseph Caccavajo, civil engineer and statistician, the population of Brooklyn is increasing at the

rate of 178 persons each day, or about 65,000 per annum. The present population, says Mr. Caccavajo, is over 1,750,000, and in eight years he figures that 2,500,000 people will live in Brooklyn. By that time the entire population of the city of New York will be 7,000,000. In Brooklyn, at present, twenty-five new buildings are erected every day, accommodating on the average seven persons each.

\*\*The thirty-two-story Adams Express Building, on lower Broadway, New York City, will be supported on 24 piers sunk through quicksand, gravel and hardpan to rock at a maximum depth of about 70 feet below the Broadway curb by the aid of rectangular wooden pneumatic caissons varying from 9½x9½ feet to 9x34 feet, the average size being 7½x28 feet. The building will have ground dimensions of 202x107 feet.

\*\*J. P. Fox, of Tampa, Fla., is the inventor of a system of concreting wooden piling in place to protect it from teredo. His patent covers a circular wooden mold, on the order of a small coffer-dam, which is placed around the piling to the required depth and the water and mud pumped out. A drop bucket conforming in shape to the form conveys the concrete to the exact spot for deposition and avoids any danger of segregation of aggregate. This system has been in successful use in Tampa harbor for some time, and the big Cummer lumber docks at Jacksonville were recently concreted in this way.

\*\*J. K. Smith, an Arkansas concrete con-



Bell Phone, Spruce 6612

Keystone Phone, Race 2799

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## Editorial Comment

During the hubbub of discussion aroused by the Somers System of assessing taxable values, under the Reyburn administration, "The Guide" repeatedly declared that given an equitable basis of assessment there existed not the slightest necessity for either the Somers System or an increased tax rate. Our contention was then and is to-day that if central real estate and properties of large size were made to bear their proportionate share of the tax burden in the same ratio as the smaller dwelling units there would be ample revenue for every legitimate municipal need without recourse to loans, the creation of new schemes of taxation or any other of the makeshifts common to financing under high pressure.

Since we printed the editorial to which reference is here made the interesting disclosure has been made that millions of dollars' worth of real estate, owned by what are classed as public service corporations, is being carried on the tax books as "exempt." Mr. John L. Fry, one of the better grade of Philadelphia's operative builders, declares himself on the subject of equalizing assessments in a way that does credit to his intelligence as an observer of current political economy.

"The question now being agitated concerning the increase in the tax rate on real estate in Philadelphia," says Mr. Fry, "is one of the utmost importance to the man and woman who own their own homes, and, in fact, to the rent payer.

"Equalization of assessment is a method through which the revenue of the city can be greatly increased, and until that is done it is manifestly unfair to impose an additional burden on the homeowner.

"In nearly all of the newer sections of Philadelphia in which there is located many thousands of moderate-priced residences the assessment is 90 per cent. of the sale value, while in the central sections it is a well-known fact that the assessment in many cases is not more than 40 or 50 per cent. of the sale value. This is also true as to thousands of acres of vacant land.

"There should be no discrimination, and the Real Estate Assessors should see to it that if the man or woman who has bought, and by economy have paid for their homes, or are paying for them on the easy payment plan, are not obliged to carry a heavier burden pro rata as to the value of their holdings than corporations or individuals who may own large quantities of realty, and if 90 per cent. of the sale value is to be and remain the basis for modest-priced homes, then there is no just or equitable cause, reason or argument why all realty holdings of any kind whatsoever should not be assessed on the same basis, regardless of whether they be

residences, commercial buildings or any and all kinds of vacant land.

"The actual price at which the owner of any real estate may sell, or is willing to sell at private sale, is what constitutes its value.

"It might seem like a stupendous undertaking to equalize assessments on private sale values, but it can be accomplished, and the cost would be a good investment. The city of Philadelphia could well afford such an expenditure and thereby increase its revenue to at least equal and doubtless more than at least equal and doubtless more than its operating expenses.

"Permanent loans should be devoted to permanent improvements, but operating expenses should be paid for out of annual receipts."

\* \* \*

The first step to anything resembling a permanent solution of the tax problem in Philadelphia should be the cleaning out of the present Board of Revision and its assessors, root and branch. Largely made up of pensioners of the allied machines, so long dominant in the politics of Philadelphia; recruited largely of men with little or no real "expert" knowledge of values and a sense of the blithest indifference to the city's needs financial or otherwise, these boards have long outlived a more than nominal usefulness and need to be replaced with something less responsive to personal and official whim and with a truer and saner idea of the relation they bear to the municipal system.

In a word, the whole system of taxation as at present conducted in the city of Philadelphia needs reforming. It is old-fogey, antiquated, unscientific and inadequate to a degree such as would not be tolerated in a city alert to its development along approved modern lines. It is, in addition, to some extent absurdly and provokingly defiant, not to say insolvent, arrogating to itself and to its members, upon what slender thread of justification we are at loss to imagine, the most oracular wisdom upon things in any way related to the subject of assessments. One is often, indeed, amused to find with what ponderous dignity this nondescript collection of tattered partisan stipendiaries resent the criticism of mere lay minds upon questions with the remotest reference to taxable values.

Builder Fry is absolutely right. What Philadelphia needs is not so much an increase in the tax rate, nor a recourse to additional loans as a sensible equalization of assessments made by assessors whose experience has been such as to enable them to rate values efficiently,—alike uninfluenced by guess-work or partiality.

\* \* \*

On another page of this number will be found an instructive article on "Architecture



As a Profession," written expressly for "The Guide," by Mr. Andrew J. Sauer, of the architectural firm of Sauer & Hahn. Mr. Sauer as an active and successful practitioner, should be in a position to place before the beginner in architecture some wholesome and wholly practical advice of a kind that is not to be found in books. To these younger men in the profession we are moved to commend a careful reading of the article in question, the conclusions in which are the result of years of practical experience together with a ripe and seasoned judgment of men and of affairs.

\* \* \*

Under the heading, "The Maligned Plumber," "House Beautiful" prints the following neat little comment on "Sanitations" objections to the now time-worn plumber's joke. Says "House Beautiful":

"The plumber and the ice-man have been the butt of stock jokes for some little time; and, presumably, if these two purveyors to the public needs had existed in ancient times, the joke at their expense would be a classic. Thus far we have not discovered any attempt to clear the ice-man's reputation, but the plumber has found a champion in the June number of "Sanitation." This excellent little monthly, which deserves to be read far outside of the trade, takes exception to Mr. Mr. Charles Dudley Warner for making a joke at the plumber's expense. The offending paragraph occurs in "My Summer in a Garden," and tells how, when the fountain pipe got stopped up, a couple of plumber came out, looked the place over, and then sat down and talked about it "by the hour." The next day they returned, but found they had forgotten an important tool; so one went back a mile and a half to the shop while the other sat and waited for him with "exemplary patience." At last they got to work, and dug up the whole garden very thoroughly before finding the obstruction, which was at the very base of the fountain. They dug "without any of that impetuous hurry which seems to be the bane of our American civilization."

"Now as this 'alleged' humor appears in a volume of 'Higher Lessons in English,' used in the public schools, 'Sanitation' loyally protests against it, and claims that 'the young of this country are being taught to look upon plumbers with suspicion and resentment.' If, as 'Sanitation' proceeds to state, 'the large percentage of plumbers are industrious and painstaking,' then there is a pleasant surprise in store for the 'youth of this land' when the day comes for them to employ plumbers. An industrious and painstaking member of that craft would be all the more appreciated by a mind that has harbored the opposite impression ever since school days. 'Sanitation' need not take a gloomy view of the situation. If plumbers really are improving, they will live down these heartless jokes; even the mother-in-law joke is seldom seen to-day, and that undeserved slur, because of its hoary age, was much harder to live down than this upstart plumber joke."

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### TRADE NEWS AND GOSSIP.

(Continued from page 663)

direct results which could have been traced to it. The cement industry at large has profited wonderfully by it, and the cumulative effects will be in evidence for many years.

\*\*Charles S. Robbins has become associated with Wadsworth, Howland & Co., Inc., Boston, Mass. He has been made sales manager and is now a stockholder in the corporation.

\*\*Reinforced concrete is to be used for the restoration of parts of the Castle of Heidelberg, provided the concrete has no destructive influence on the sandstone of which the now ruined castle is built. The recent earthquake had no influence on the ruins or other buildings in the vicinity.

\*\*Walter B. Snow, publicity engineer, 170 Summer street, Boston, Mass., has added to his staff Mr. Chester R. Ross, who will act as manager of the addressing and mailing department. Mr. Ross brings to this position an extended experience covering three years with the Griffin Wheel Company, four years with the "Boston Transcript," and a considerable period as salesman in various lines of industry.

\*\*In a recent paper Mr. Leonard C. Wason, president of the Aberthaw Construction Company, Boston, stated that to the looker on of building it appears that there must be a clever organization with special knowledge at hand, and with trained mechanics working under careful supervision, in order to successfully handle the building of even a fair sized structure. But oftentimes if one examines he will find the methods crude and extravagant, and that much of the knowledge employed is the result of tradition and custom, and not of keen original study. The sight of hod carriers carrying bricks to the upper story of a good sized building is very

common, and yet it is a shrewd guess that a hoisting engine with a proper elevator and stages arranged so that brick could be delivered on wheel barrows would pay.

\*\*Construction of modern homes to rent and to sell at moderate prices is becoming more and more a feature of the real estate business in nearly every city in America. It is readily noticed that this feature of the business is of the investment nature and that American cities generally are vastly benefited by the real estate firms who construct such homes. The real estate business thus becomes a component part of the work of developing a whole city. The homes constructed by real estate firms in many cities range from one-story dwellings with four rooms and bath, upward. Those with six rooms and bath and of one or two stories seem to be the most popular in some localities.

### LICENSE BUILDERS.

#### Superintendent Carlin Will Have a Bill Drafted for the Legislature.

The subject of licensing builders has been brought up again by some public remarks from the Superintendent of Buildings in Brooklyn, Patrick J. Carlin. More than once when the Building Code was being revised a provision for licensing builders has been inserted, but finally it came to be understood that the Board of Aldermen has no power to restrict men in the pursuit of an occupation, however wholesome such action might be. Only the Legislature has such authority, and of late years it has been chary of extending the list of protected occupations.

Superintendent Carlin is quoted as saying that since his advent into office he has been more than ever convinced of the absolute necessity for licensing builders in this city. Of all trades, this is the particular one for which a license should be required to permit construction work. A defect in plumbing, whether as a result of ignorance or carelessness, readily discovered and easily remedied. It is inconsistent that while we require almost everybody from a doctor to a peddler to prove his fitness before being licensed, and then being registered before being allowed to practice his profession or trade, we allow anybody to operate as a builder.

"This is an occupation involving the health and safety as well as the financial interests of the public.

"A plumber who is at fault may have his license revoked, thus removing him as a menace to health and comfort in the community, but a builder, such as I did not believe existed until I came into the Department of Buildings, and some of whom I have found to be doing a shameful class of buildings, is allowed, unhindered by law, to construct as he pleases, except for the restrictions of the building code and the supervision of the inspectors of the Bureau of Buildings.

"There are many important principles and rules of workmanship which all the inspectors

in the department are powerless to enforce. The best that we can do is to compel such builders to live up to the requirements of the building code as to quality of material, thickness of walls, etc., but as to the manner in which these materials are used, walls built out of plumb and without properly filling the joints with mortar, materials for mortar improperly mixed through ignorance or carelessness or cupidity, brick walls laid up in such a slovenly manner as to be disgraceful, these are matters beyond our control.

"The bricklayers' unions should compel an applicant for membership to qualify as to his ability before granting him a card of membership, but it would seem that they do not care whether a man is a good mechanic or not, so long as he qualifies financially for a membership card. It seems impossible to get proper work done when men totally ignorant of the first principles of construction can engage in the building business, and still worse when this class of men go into it with a determination to violate every principle of law, and whose ignorance leads them to permit the cheap class of workmen they employ to do things that are a menace to life and limb.

"It is my object to request of the proper authorities that this matter be drafted in legal form into a bill to be introduced in the next session of the Legislature, and I trust that public sentiment as represented by the press, as well as all legitimate financial and building interests, will lend it their support."

### OVER TEN MILLION BRICKS.

The clay-working industries of the United States had in 1911 a production valued at \$162,236,181, according to the United States Geological Survey, which has just issued a chart, compiled by Jefferson Middleton, showing the total output, by States, of all the different clay products. The total production of common brick was 8,475,277,000, valued at \$49,885,262. Of this New York contributed the largest amount, namely, 1,143,726,000, valued at \$5,918,286. Illinois was second in output, with 1,074,486,000, but the product had the greater value of \$6,126,911. No other State reached the billion mark, Pennsylvania coming third with 774,122,000 bricks. The chart gives the figures of production for other kinds of brick—vitrified brick, front brick, fire brick, etc.—as well as for terra cotta, drain-tile, sewer pipe, stove lining, and pottery products. The production of all kinds of bricks was more than ten billion.

In total production of clay products Ohio heads the list, with a value of \$32,663,895, or one-fifth of the total for the United States; Pennsylvania is second, with \$20,270,033; New Jersey third, with \$18,178,228, and Illinois fourth, with \$14,333,011.

Winning success in business is not a game of blind man's buff. You cannot catch her blindfolded.





Architects: De Armond, Ashmead  
and Bickley, Phila.

WM. H. MULFORD'S RESIDENCE AND INTERIOR, WYNCOTE, PA.



### BEAUTY IN THE BACKYARD.

Twenty-five years ago the New York City backyard was often a thing of beauty. I remember such was the case in my grandmother's tiny yard in West Twenty-second street. The lot was only eighteen feet wide, yet the backyard held its central grass plot, and a well-filled border of bloom two feet wide, running around three sides of the yard. There the graceful bleeding heart hung its long pink sprays, and mignonette and heliotrope and gay geraniums stood guard over pansies and forget-me-nots.

And this garden was not alone, for neighbors on both sides, to the ends of the block, possessed equally blossoming patches, making quite an enchanting chain of little gardens.

Nowadays one may look out of the back windows of many city residences to see only a line of asphalt enclosures, whose colorless monotony is unrelieved except on wash days, when perhaps pink or blue pajamas may lend a note of gayety to the scene.

To-day the almost universal exodus from town, which at the latest only awaits the closing of the children's school, makes less necessary the cultivation of the few feet of city soil, than formerly, when people—even people with children—remained in town during much of the summer. Therefore it is chiefly the early spring and late fall garden that I would urge, but that most emphatically, feeling sure the experiment will amply reward those who try it.

If the asphalt has not been allowed to encroach on the old-time grass plot and border, the revival of the garden is a simple matter. In the early fall a little commercial fertilizer spaded well into the border, and sprinkled lightly over the grass plot, and this last resown, will prepare the garden for planting.

A number of roots of ampelopsis should be set close against the fence at the back and sides. This vine is of quick growth and is especially beautiful in spring and fall. It will ultimately cover the usually unsightly fence, and makes a charming background. Two or three forsythia shrubs may be planted at the corners of the border, as they produce a shower of dainty golden blossoms in April.

The planting of all bulbs for spring bloom should be done during the preceding October and November, up to frost. They should be planted to a depth of twice their own diameter, and from four to six inches apart, according to their size. They should not come in touch with new fertilizer, therefore put a little sand (bird sand if no other is convenient) in each hole before placing the bulb. The best effect is gained by planting in clusters of a kind rather than in straight rows. The front edge of the bed should have the low-growing crocuses and snow-drops, and *Scilla sibirica*, mingled with plants and hardy yellow English primroses, which last are far too little grown in this country, but are to be had from at least one dealer on this side of the Atlantic. This collection will bloom from March through April. Back of them should be hyacinths, the single ones being far more

satisfactory than the double ones; and in groups of eight or ten each, narcissi and daffodils, and the earliest varieties of tulips, such as the pink Cottage Maid, the red and the white Pottebakker, and the yellow Canary Bird.

Gardening catalogues, which all dealers gladly send on application, give accurate descriptions of color and time of bloom, and the varieties may be thereby selected according to taste and the time at which it is desired to have the best effect in the garden.—Katherine Verdery, in the "Craftsman."

### ARCHITECTS PLAY GOLF.

Architects from three cities, Philadelphia, Boston and New York, had a field day at the Englewood Country Club recently. Interesting golf and tennis matches were played. A New York four beat a Boston team at golf 9 up and 8 to play, and another New York four won over a Philadelphia team 5 up and 4 to play. The New York team that played Boston was composed of J. B. Baker, C. H. Gillespie, H. Hering and W. S. Post, the Boston players being Lovell Little, Jr., Gordon Allen, W. S. Parker and C. M. Bill. The Philadelphia team had H. H. Burrill, J. C. Parry, C. A. Ziegler and W. Smedley, while the opposing team was made up of P. J. Johnson, A. Willianer, C. D. Loomis and Aymar Embury, 2d.

A. M. Brown, of New York City, was declared the individual golf champion when he returned a gross score of 81, the best of the day. One of the competitors was Findlay S. Douglass, a former national champion, whose efforts resulted in 86.

There was a tie for the net prize between Aymar Embury, 2d, of New York, and J. C. Parry, of Philadelphia, each with a card of 90—15—75, while A. Blake took the guests' cup, offered for the best net score, with 86—7—79.

Joseph Hunt won the lawn tennis tournament. Harry Knox Smith was second. W. D. Smith was third. Other players were J. F. Taylor, S. Wetherell, F. P. P. Duryea, A. Blake, F. A. Moore, J. W. Escher, F. A. Wright, G. W. Breck, Otis Post, R. M. Ingham, G. Beal, S. M. Dix, C. F. Patterson, A. Trowbridge, R. A. Marshall, all of New York, and E. S. Betts, of Cleveland.

### CONCRETE.

Concrete was used by the Romans, who also invented the celebrated Roman nose, which is still used with such great success, says George Fitch, the Peoria humorist. Concrete is composed of cement and broken stone, which are mixed with water by a tired man in overalls and a red flannel shirt and converted into a sort of geological Irish stew. The mess is then stuffed into a wooden mould, and when it dries it is so hard that when time attempts to nibble it with its justly famous tooth it has to go to the dentist's with a low shriek of agony.

The Romans wasted their concrete build-

ing bridges, coliseums and roads. Had they built their Emperors of this material they would have been more durable and the empire would have lasted longer. A reinforced concrete Emperor would have been less fatal to the populace while the sight of a Praetorian guard pecking away at the impenetrable crushed stone throat of his ruler with a valuable sword in an effort to create a vacancy on the throne would have been highly diverting.

Nowadays concrete is used with great success in building houses, bridges, baseball parks, pavements, sidewalks, wormless tombs, boats artificial legs, telegraph poles, water tanks, sewer pipes, false teeth, cathedrals, smokestacks and eating house sandwiches. Concrete has, in fact, become the most useful thing in the world and many a mountain which has only been an obstruction to traffic will be ground up in the next few years and sold in sacks to men who have cities to build.

Thomas Edison has recently invented a method by which concrete houses can be poured to order by two strong men while the family is unpacking the furniture. This will be a great boon and before long we may expect to buy our houses at the store by the gallon and to draw a cute little Queen Anne garage out of a faucet and take it home in a pail.

Concrete, reinforced with steel, is the strongest material yet invented, but science thus far is only building bridges and skyscrapers with it, and has not yet used it in providing practicable backbones for public men. When this has been accomplished the grade of statesmen available will be vastly improved and the old style officeholder with the gutta serena spinal column will wobble into oblivion along with the wooden hotel.

While it pays to think, it is thought in action that puts money in the bank.—Exchange.

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 Amount of transfers ..... \$1,466,070.99  
 Cash consideration ..... 431,810.00  
 Mortgage consideration ..... 1,034,260.99  
 Ground rent consideration ..... 6,233.00  
 Which on a 6 per cent. basis amounts to ..... 103,883.34



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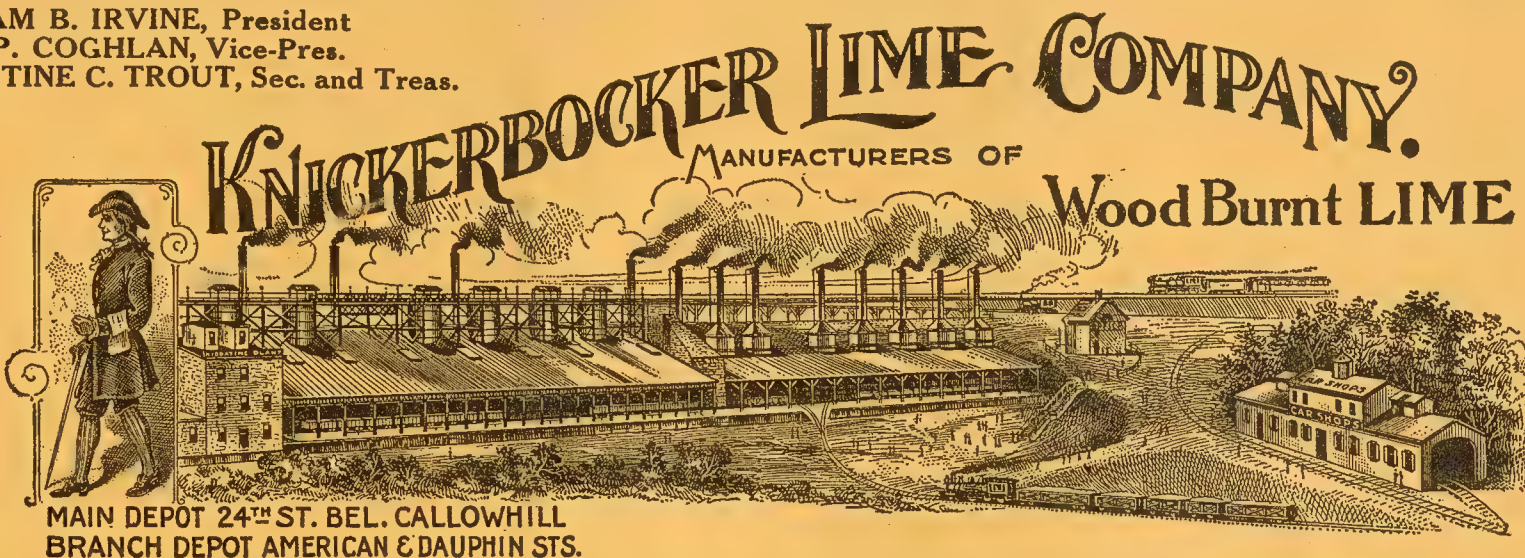
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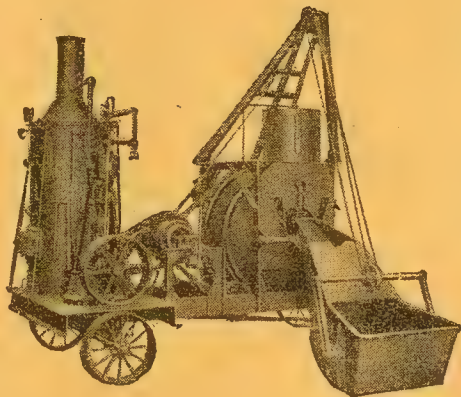
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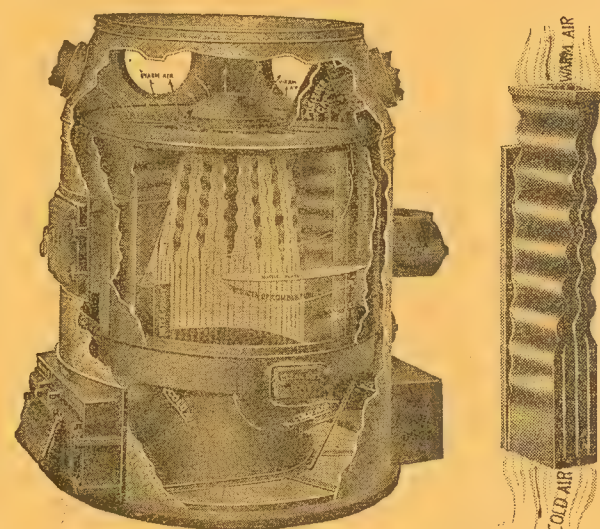
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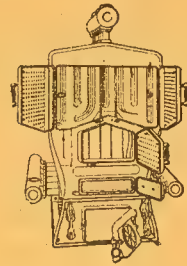
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THE PHILADELPHIA REAL ESTATE RECORD AND

# Builders' Guide

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

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## Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Post Office**, 5226 Market street. Architects, Sauer & Hahn, 1112 Chestnut street. Owner, Penrose Fleisher, 1512 Chestnut street. Brick, one story, 25x214 feet, slag roof, electric light, steam heat. Architects taking bids due October 17. The following is the complete list of bidders: Thomas Little & Sons, 1615 Sansom street; J. R. Wiggins & Co., Heed Building; Smith-Hardican Company, 1606 Cherry street; Lam Building Company, 1001 Wood street; A. R. Raff, 1635 Thompson st.; F. A. Havens, 845 North Nineteenth street; F. Roe Searing, Perry Building; J. Myers & Sons, Witherspoon Building.

**Y. M. C. A. Building**, Johnstown, Pa. Cost, \$200,000. Architects, Seymour & Paul A. Davis, 1713 Sansom street. Owners, Y. M. C. A., Johnstown, Pa. Brick, terra cotta and steel, fireproof, seven stories, slag roof, steam, heating, electric lighting. Plans about completed. Architects will take bids in about two weeks.

**Stores (2)**, 3531-33 Germantown avenue. Architects, Steuckert & Sloan, Crozer Building. Owner, H. D. Clauser, 3032 Germantown avenue. Brick, one story, 20x60 feet, slag roof, electric light (heat reserved). Architects taking bids due October 15. The following are figuring: E. E. Hollenback, Fifteenth and Race streets; P. Haibach Contracting Company, Twenty-sixth and Thompson sts; George Hogg, 1634 Sansom street; Harry Gill, Jr., 2200 Germantown avenue; William R. Dougherty, 1608 Sansom street.

**Warehouse**, Twenty-first and Arch streets. Cost, \$100,000. Architect, F. A. Hayes, 1524 Chestnut street. Owner, W. H. Maule, 1707 Filbert street. Brick, fireproof, 10 stories, 60x100 feet, elevators, steam heat, electric light, slag roof. Plans about completed. Architect will take bids in about one week.

**Residence (alt. and add.)**, Lansdowne, Pa. Architect, E. E. Hendrickson, 925 Chestnut street. Owner, J. C. Wright, Lansdowne, Pa. Stone and frame, two and one-half stories, electric light, hardwood floors, steam heat, tin roof. Architect has received bids.

**Post Office**, Harrisburg, Pa. Architect, Oscar Wenderoth, Washington, D. C. Owner, U. S. Government, Treasury Department. Stone and brick, one story, 46x121 feet, steam heat, electric light, tin roof. Owners taking bids due November 12. The following are figuring: Charles Gilpin, Harrison Building; D. T. McCarthy, 411 Walnut street; Charles McCaul Company, Tenth and Sansom streets;

J. W. Emery, 1524 Sansom street; J. E. & A. L. Pennock, Land Title Building.

**Ice Plant**, Washington, D. C. Architects, Mortensen & Co., 114 East Twenty-eighth st., New York City. Owner, American Ice Company, 1437 Pennsylvania avenue, Washington, D. C. Brick, two stories, 95x297 feet, slag roof, electric light. Owners have received bids. Irwin & Leighton, 126 North Twelfth street, have figured.

**Stable (alt. and add.)**, Fifty-fourth and Lancaster avenue. Architect, W. D. Haddock, Thirteenth and Market streets. Owner, John Wanamaker, Thirteenth and Market streets. Brick, one story, slag roof. Owners taking bids due October 16. J. G. Doak & Co., Crozer Building, are figuring.

**Cistern**, Swanson and Tasker streets. Architects, Anderson & Haupt, Drexel Building. Owner, Berg Distilling Company, Swanson and Tasker streets. Brick, two stories, slag roof, electric light. Owners have received bids.

**Moving Picture Parlor**, Sixty-fourth and Woodland avenue. Architects, Anderson & Haupt, Drexel Building. Owner, M. A. Benn, 5820 Springfield avenue. Brick and plaster, one story, 50x85 feet, slag roof, electric light, steam heat. Owner taking bids.

**Hospital (add.)**, Susquehanna avenue and Howard street. Architects, Watson & Huckel, 1211 Walnut street. Owners, Kensington Hospital for Women, on premises. Brick, concrete, fireproof, four stories, 30x87 feet, electric light, steam heat, slate roof. Architects have received bids.

**Y. M. C. A.**, Pottstown, Pa. Cost, \$75,000. Architects, Lachman & Murphy, Witherspoon Building. Owners, Y. M. C. A. of Pottstown, Pa. Brick, limestone, terra cotta, four stories, 79x150 feet, slag roof, electric light, steam heat. Architects have received bids.

**Residence**, Melrose Park. Cost, \$12,000. Architects, Sauer & Hahn, 1112 Chestnut st. Owner's name withheld. Stone, two and one-half stories, 54x27 feet, tile roof, electric light, hardwood floors (heat reserved). Architects taking bids due October 16. The following are figuring: W. H. Eddleman, 453 Green lan; J. Sims Wilson, 1125 Brown street; M. W. Young, Overbrook, Pa.; W. J. Gruhler, 219 High street; H. E. Baton, Tenth and Sansom streets; William R. Dougherty, 1608 Sansom street; H. E. Grau Company, 1707

Sansom street; M. Hauser, Glenside, Pa.; J. Morrow, Oak Lane, Pa.

**Siding and Track**, Twenty-sixth and Gray's Ferry avenue. Architect, Quartermaster's Department, Schuylkill Arsenal. Owners, U. S. Government. Steel and concrete. Owners taking bids due October 22, 11 A. M. The following are figuring: Doyle & Co., 1519 Sansom street; J. W. Emery, 1524 Sansom street; P. J. Hurley, 1233 Cherry street.

**Factory**, York avenue and Noble street. Architects, Harris & Richards, Drexel Building. Owner, Walter P. Miller, on premises. Brick and stone, four stories, 60x72 feet, slag roof, electric light, steam heat, elevators. Architects taking bids due October 17. The following are figuring: H. H. Burrell, 1204 Chancellor street; George & Borst, 277 South Eleventh street; J. E. & A. L. Pennock, Land Title Building; H. E. Baton, Tenth and Sansom streets; P. J. Hurley, 1233 Cherry street; H. E. Grau Company, 1707 Sansom street; Joseph Bird Company, 213 North Eleventh street.

**Club House**, Lancaster, Pa. Architects, Magaziner & Potter, 137 South Fifth street. Owners, Lancaster Country Club. Stone and plaster, two stories, 46x120 feet, shingle roof, electric lighting. Plans completed. Architects ready for bids in a few days.

**Residence (remodeling)**, Glenside, Pa. Architect, Frank Seeburger, Pennsylvania Building. Owner, Frank g. Renninger, 149 South Broad street. Stone and plaster, two and one half stories, shingle roof, hot water heat. Revised plans in progress. Architects will taken new bids in a few days.

**Mill and Office Building (alt. and add.)**, 2011 Market street. Cost, \$3,500. Architect's private plans. Owners, Stacey Reeves & Sons, 1611 Filbert street. Brick, three stories, electric light, slag roof, steam heat. Owner taking sub-bids.

**Post Office**, Lewes, Del. Architect, Oscar Wenderoth, Washington, D. C. Owner, U. S. Government, Treasury Department. Brick and stone, one story, tin roof, steam heating. Owners taking bids, due December 5th. D. S. McCarthy, 411 Walnut street, is figuring.

**Factory**, Front and Federal streets, Camden N. J. Owners, Collings Carriage Company, Front and Market streets, Camden. Brick, three stories, 90x100 feet, slag roof, electric light. Architect taking bids, due October 22. The following are figuring: Irwin Leighton,



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## IRONWORK

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126 North Twelfth street; M. P. Wells, Witherspoon Building; J. E. & A. L. Pennock, Land Title Building; J. W. Draper, Camden, N. J.; George Backman, Camden, N. J., and the Vulcanite Paving Company, Land Title Building.

**Factory**, American and Luzerne streets. Architects, Sauer & Hahn, 1112 Chestnut street. Owners, Diamond Textile Machine Co., 1436 North Ninth street. Brick, two stories, 50x223 feet, slag roof, electric light, (heat reserved). Architects taking bids, due October 21st. The following are figuring: J. Myers & Sons, Witherspoon Building; Charles McCaul Company, Tenth and Sansom streets; F. A. Havens, 845 North Nineteenth street; Irwin & Leighton, 126 North Twelfth street; Smith-Hardican, 1606 Cherry street; Pomeroy Construction Company, 1609 Ransstead street; Turner Stewart, Camden, N. J.; J. Sims Wilson, 1125 Brown street.

**Church**, Sixty-fourth and Haverford avenue. Architects, Duhring, Okie & Zeigler, Bailey Building. Owner, St. Barnabas' P. E. Church, on premises. Stone, one story, 53x177 feet, slate roof, electric light, steam heat. Plans completed. Architects will be ready for bids in one week.

**Church and Parish House**, Sixteenth and Allegheny avenue. Architects, Thomas, Churchman & Molitor, 1309 Walnut street. Owners, All Souls P. E. Church for Deaf Mutes, care of C. O. Dantzer, 3525 North

Nineteenth street. Stone, one and two stories, 70x132 feet, slate roof, electric light, steam heat. Architects taking bids, due October 24th. The following are figuring: Jas. G. Doak & Co., Crozer Building; Metzger & Wells, Heed Building; H. H. Burrell, 1204 Chancellor street; Alfred James, Bala, Pa.; Charles McCaul Company, Tenth and Sansom streets; A. W. Fretz & Sons, 1222 Chancellor street; F. E. Wallace, 1210 Sansom street; A. H. Williams, 419 Locust street.

**Apartment House**, Broad and Thompson streets. Architects, Steuckert & Sloan, Crozer Building. Owners, Kahn & Greenburg, Morris Building. Brick and stone, twelve stories, 25x160 feet. Plans in progress. Architects taking bids in about a month.

**Cottage**, Bay Head, N. J. Architects, Magaziner & Potter, 137 South Fifth street. Owner, G. P. Lease, care of architects. Frame, two and one-half stories, shingle roof, electric light, hot water heat. Architects taking bids, due October 25th. The following are figuring: Joseph Morton, Bay Head, N. J.; J. Stillwell, Mantolej, N. J.; W. Forrest, Spring Lake, N. J.; H. H. Moore, Spring Lake, N. J.; H. Johnson, Bay Head, N. J.; I. H. Taylor, Asbury Park, N. J.

**Hotel** (alt. and add.), Harrisburg, Pa. Architect, Albert Kelsey, Perry Building. Owners, Hotel Bolton, on premises. Consists of interior alterations and additions. Architect taking bids, due October 21st. J. Myers & Sons, Witherspoon Building, are figuring.

## Contracts Awarded

**Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.**

**Residence** (alt. and add.), Chestnut Hill, Pa. Architects, Thomas, Churchman & Molitor, 1309 Walnut street. Owner, J. J. Sullivan, Chestnut Hill, Pa. Brick and stone slate roof, electric light. Contract awarded to Charles McCaul Company, Tenth and Sansom streets.

**Factory**, D and Ontario streets. Architect's private plans. Owners, Ontario Dyeing Company, D and Ontario streets. Brick, two stories, 60x150 feet, slag roof. Contract awarded to George Thirsk, 4413 Frankford avenue.

**Residence** (alt. and add.), Locust avenue, Germantown. Architect, W. F. Price, 714 Walnut street. Owner, W. P. Shipley, Morris Building. Plaster, three stories, tin roof, electric light. Contract awarded to H. Voigt, 1251 North Twenty-ninth street.

**Residence** (alt. and add.), Mascher and Susquehanna avenue. Architects, Magiziner & Potter, 137 South Fifth street. Owners, Dr. Lewis H. Jacob, on premises. Brick, one story, slag roof, electric light, hot water heat. Contract awarded to M. Morrison, 2322 North Howard street.

**Residence**, Rosemont, Pa. Architects, Harris & Richards, Drexel Building. Owner, Charles Sim, care of architect. Stone and plaster, two and one-half stories, 30x50 feet, electric light, shingle roof, hardwood floors, hot water heat. Contract awarded to McLean & Baldwin, 6101 Walnut street.

**Stable**, Enfield, Pa. Architects, Thomas, Churchman & Molitor, 1309 Walnut street. Owner, W. A. M. Fuller, Enfield, Pa. Frame, two stories, 54x37 feet, shingle roof, electric light, hot water heat. Contract awarded to Metzger & Wells, Heed Building.

**Building** (alt. and add.), 320 North Third street. Architect, W. E. S. Dyer, Land Title

Building. Owner, W. E. Jones, 32 North Third street. Brick, five stories, electric light, elevators. Contract awarded to F. E. Wallace, 1210 Sansom street.

**Garage**, Trenton avenue and Westmoreland street. Architect, R. E. White, Pennsylvania Building. Owner, Owen Letters & Sons, on premises. Brick, one story, 50x90 feet, slag roof, electric light. Contract awarded to A. D. Barnes, 2055 E. Allegheny avenue.

**Library**, Broad and Ritner streets. Architect, C. L. Borie, Fifteenth and Walnut sts. Owners, Free Library of Philadelphia, Thirteenth and Locust streets. Brick and granite, limestone, one story, 68x87 feet, tin and slag roof, electric light (heat reserved). Contract awarded to William R. Dougherty, 1608 Sansom street.

**Market House**, Forty-ninth and Baltimore avenue. Cost, \$6,000. Architects, Milligan & Pierson, 420 Walnut street. Owner, J. O'Neill, Crozer Building. Brick, one story, 40x100 feet, slag roof, electric light, steam heat. Contract awarded to C. C. White, 5410 Haverford avenue.

**Restory** (alt. and add.), Chester, Pa. Architects, Watson & Huckel, 1210 Walnut st. Owners, St. Michael's R. C. Church, Chester, Pa. Stone, two and one-half stories, slate roof, steam heat, electric light. Contract awarded to Frank J. Colgan, 2205 North Broad street.

**Residence**, Wallingford, Pa. Architects, Walter Smedley, Stephen Girard Building. Owner, Powell Stackhouse, Wallingford, Pa. Stone, two and one-half stories, 47x45 feet, shingle roof, electric light. Contract awarded to R. C. Ballinger & Co., 218 North Thirteenth street.

**Generator House**, Clearfield and Thompson streets. Architects, Ed. F. Bertolet, 32 South



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Broad street. Owner, E. Sutro & Sons Company, on premises. Brick, one story, slag roof. Contract awarded to Smith-Hardican Company, 1606 Cherry street.

Residence and Garage, Haverford, Pa. Architect, Horace Trumbauer, Land Title Building. Owner, Mrs. Geraldine E. Mitchell,

care of architect. Plaster, two and one-half stories, 45x95 feet, shingle roof, electric light, hot air heat, hot water heater, hardwood floors, 3 bath rooms. Garage, two stories, 28x39 feet. Contract awarded to Milton W. Young, Overbrook, Pa.

## Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Pennsylvania Railroad Company (O), Philadelphia. Roydhouse-Arey Company (C), Fidelity Building. Cost, \$7,800. Battery House, brick, one story, 28x105 feet.

W. W. Gawthrop (O), Abbott Building. Cost, \$8,000. Two dwellings, brick, three stories, 22x37 feet, 3105-07 Penn street.

J. M. Cassel & Son (O), 2717 North Twelfth street. Cost, \$16,200. Six dwellings, brick, three stories, 15x34 feet, Frankford avenue and Ontario street. Cost, \$8,100. Three stores and dwellings. Cost, \$2,900. One dwelling.

H. F. Grow (O), 1306 North Third street. Cost, \$800. Laboratory, brick, two stories, 19x50 feet.

William Freihofer (O), Twentieth and Indiana avenue. P. Haibach Contracting Company (C), Twenty-sixth and Thompson sts. Cost, \$12,000. Store, brick, two stories, 40x100 feet, 5215 Market street.

Levin Bros. (O), 823 Winton street. Cost, \$12,000. Six dwellings, brick, two stories, 14x36 feet, Eighty-first and Madison avenue.

Best Kid Company (O), Leopard and Wildey streets. Stewart Brothers (C), 2628 North Orkney street. Cost, \$6,500. Manufactory, brick, three stories, 37x70 feet.

Franz Hoppe (O), 54 North Thirteenth st. Cost, \$16,000. Eight dwellings, brick, two stories, 15x30 feet. Sixty-first and Girard avenue. Cost, \$6,000. Three dwellings. Cost, \$20,000. Ten dwellings.

Pullman Taxicab Company (O), 1542 Wood street. Irwin & Leighton (C), 126 North Twelfth street. Cost, \$45,000. Garage, brick, three stories, 74x86 feet.

Wendell & Smith (O), Overbrook, Pa. Milton W. Young (C), Overbrook, Pa. Cost, \$9,000. One dwelling, stone, three stories, 42x28 feet, Overbrook, Pa.

Robert Hamilton (O), 3318 Hamilton street. Cost, \$12,000. Apartment house. Brick, three stories, 20x92 feet, Redfield and Lansdowne avenue.

P. J. & J. T. Whealen (O), Betz Building. Cost, \$3,200. Two dwellings, brick, two stories, 15x37 feet, 400-448 Willins avenue. Cost, \$34,500. Twenty-three dwellings. Cost, \$3,200. Two dwellings. Cost, \$34,500. Twenty-three dwellings.

Philadelphia Storage Battery Company (O), C and Ontario streets. Stewart Brothers (C), 2528 North Orkney street. Cost, \$26,000. Manufactory. Brick, two stories, 54x192 feet.

St. Vincent's Church (O), East Price street. Robert D. Noonan (C), 420 High street. Cost, \$20,000. Church. Stone, one story, 40x63 feet, Penn and King streets.

Frank Williams (O), 1432 Wolf street. Cost, \$2,500. One store, brick, two stories,

15x52 feet, Fifty-seventh and Arch streets. Cost, \$8,500. Five dwellings. Cost, \$2,000. One dwelling.

F. Ewing (O), 416 Kermit street. G. W. Robinson (C), 549 Dupont street. Cost, \$3,750. Dwelling, brick, three stories, 16x47 feet, Walnut Lane and Ridge avenue.

J. J. Holland (O), Manayunk, Pa. E. R. Clark Company (C), East Walnut lane. Cost, \$2,800. One dwelling, brick, two stories, 16x45 feet, Harvey and Lauriston streets.

Smith Craighead (O), 3018 West Susquehanna avenue. Cost, \$5,000. Two dwellings, brick, two stories, 15x27 feet, Fifteenth and Loudon streets.

West End Realty Company (O), Fifty-second and Sansom streets. W. E. Dotts & Co. (C), 148 North Second street. Cost, \$40,000. Office, brick, four stories, 39x109 feet, Fifty-second and Market streets. Cost, \$40,000. Theatre.

R. Ambrust (O), Benner and J streets. Cost, \$4,000. Two dwellings, brick, two stories, 15x48 feet.

Berg Distilling Company (O), Swanson and Tasker streets. W. E. Dotts (C), 148 North Second street. Cost, \$7,000. Warehouse, brick, one story, 50x60 feet.

Dr. Louis Jacobs (O), 135 Susquehanna avenue. M. Morrison (C), 2322 North Howard street. Cost, \$1,800. Office, brick.

W. Parker (O), 2940 Van Pelt street. H. Foster (C), 2801 North Twenty-second street. Cost, \$4,400. Two dwellings, brick, two stories, 14x26 feet, Van Pelt and Indiana avenue.

Y. M. C. A. (O), Broad and Arch streets. Roydhouse-Arey Company, Fidelity Building. Cost, \$20,000. Building, brick, four stories, 34x162 feet, 1007-13 Lehigh avenue.

J. F. O'Neil (O), 1420 Chestnut street. C. C. White (C), 5410 Haverford avenue. Cost, \$2,500. Stone, brick, one story, 25x97 feet, 4924 Baltimore avenue.

Louis Spheen (O), Eighty-second and Harley avenue. Cost, \$4,200. Two dwellings, brick, two stories, 16x40 feet, Seventy-eighth and Ewing streets. Cost, \$4,200.

## Alterations and Additions

E. Schofield (O), Clearfield and C streets. C. J. W. Platt (C), 1015 Arch street. Cost, \$2,500. Boiler house.

W. B. Jones Leather Company (O), 220 North Third street. F. E. Wallace (C), 1210 Sansom street. Cost, \$2,500. Storage.

Hale & Kilburn (O), Eighteenth and Le-

high avenue. George M. Fuller Company (C), Morris Building. Cost, \$4,000. Factory.

Milgram Bros. (O), 1802 South Sixth street. M. J. Lazaroff (C), 1418 South Sixth street. Cost, \$1,400. Store and dwelling, 2218 South Seventh street.

A. T. Hartman (O), 2526 Bridge street. A. W. Linn (C), 4767 Garden street. Cost, \$1,396. Hotel.

Loyal Order of Moose (O), 1314 North Broad street. Colbert Construction Company (C), 1213 Betz Building. Cost, \$2,320. Club house.

H. Cope (O), Lawrence and Dauphin sts. J. T. McCorkel (C), 2104 North Fifth street. Cost, \$1,000. Store and dwelling, Germantown avenue and Norris street.

James Irwin (O), Twenty-fifth and Moore streets. A. F. Hudson (C), 1948 South Twenty-third street. Cost, \$2,000. Stable.

Penn National Bank (O), Seventh and Market streets. William Steele & Sons (C), 1600 Arch street. Cost, \$60,000. Bank, Seventh and Market streets.

N. P. Shipley (O), Morris Building. H. Voigt (C), Twenty-eighth and Thompson sts. Cost, \$3,500. Residence, Germantown.

J. Gerlach (O), 822 Erie avenue. H. P. Schneider (C), York road and Erie avenue. Cost, \$1,600. Store and dwelling.

Philadelphia and Reading Railroad Company (O), Twelfth and Market streets. Harmon Armstrong (C), Twentieth and Hamilton streets. Cost, \$14,000. Coaling station, Twelfth and Hamilton streets.

H. M. Deemer (O), 6708 North Seventh street. J. Morrow (C), 6700 York road. Cost, \$3,000. Dwelling.

J. T. Morris (O), 826 Pine street. Smith-Hardican Company (C), 1606 Cherry street. Cost, \$1,900. Dwelling.

Spreckels Sugar Refining Company (O), Reed and Meadow streets. Cost, \$1,000. Bridge.

Denby & Co. (O), New York City. J. R. Jackson (C), Perry Building. Cost, \$1,500. Store, 505 Market street.

J. D. Guilis (O), 1108 Christian street. F. Setta (C), 767 South Tenth street. Cost, \$3,500. Store and dwelling, Twelfth and Christian streets.

Ontario Dyeing Company (O), Ontario and D streets. George H. Thirsk (C), Cost, \$9,000. Dye House, Franklin and Orthodox sts.

Henry Hess (O), 1510 Allegheny avenue. Rush J. Whiteside (C), 2115 Wallace streets. Cost, \$2,000. Garage.

E. Mohr (O), 1107 Real Estate Trust Building. J. R. Jackson (C), Perry Building. Cost, \$1,000. Theatre, Fifty-fifth and Chester avenue.

W. Wittman (O), 14090 Ludley avenue. H. H. Wehmeyer (C), 1004 West Lehigh avenue. Cost, \$1,850. Dwelling, 1115 Lehigh avenue.

Wills Jones-McEwen Company (O), Twenty-sixth and Jefferson streets. T. C. Trafford (C), 1613 Sansom street. Cost, \$11,000. Stable.

E. K. Rhoades (O), 2228 Tioga street. F. R. Heavner (C), Norristown, Pa. Cost, \$750. Garage.

Owen Letters & Son (O), Westmoreland and Trenton avenue. Barnes Bros. (C), 1449 Loudon street. Cost, \$2,500. Garage.

James M. Bullock (O), Aldine Hotel. Cost, \$8,000. Dwelling, 2045 Locust street.

Magdelene Home (O), 213 North Twenty-first street. Stacey Reeves & Sons (C), 1611 Filbert street. Cost, \$2,500. Gynnasium.

J. I. Donovan (O), Fifth and Market sts. Smith-Hardican (C), 1606 Cherry street. Cost, \$1,900. Store, 436 Market street.

Le Roy A. Worrell (O), 6004 Market street. H. A. Paxson (C). Cost, \$1,500. Dwelling, 5556 Market street.



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J. Drumgoole (C), 1524 South Twenty-sixth  
street. Cost, \$1,000. Stable, 335 South Twen-  
tieth street.

E. Crampner (O), 5724 North Fourth street.  
Cost, \$1,600. Manufactory, Bristol and Ori-  
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## STANDING IN THE WAY OF FIRE PROOF CONSTRUCTION

By ERNEST FLAGG, Eminent New York Architect

Our methods of construction in cities and towns are an inheritance from early times to which has been added another system of construction which we call "fireproof." Our treatment of these two methods of building is distinctly different.

In early times in this country immediate shelter was the prime consideration; little attention was paid to any other consideration and careless building habits were formed which still exist. Money and labor was scarce, incombustible materials expensive and wood abundant and cheap, so flimsy and dangerous methods of building were adopted. No building laws were in force; every man built in a way which seemed to him best; and the cheapest way, as it was also the usual way, was generally considered the best way.

In time the danger and disadvantages of such methods began to be recognized and certain rules and regulations were established to insure greater safety. These regulations were confined chiefly to the prevention of extremely hazardous methods. The common practice in building was accepted as correct, and even down to the present time the most radical changes in the early methods have been confined to the abolition of eight-inch walls for certain purposes and the requirement of heavier beams than it had been customary to use. We had always built walls which were too thin to stand upright except for the bracing they received from the wooden floor beams which they supported, and we are still building them in that way.

Our building laws grew by a process of evolution; as objectionable practices made their appearance from time to time they were forbidden, and this method of making the laws has been followed ever since; it has always contained regulations for special cases rather than broad rules for safety in the use of materials and methods. The building trades were full of ignorant men and speculative building stimulated them to slight their work wherever it could be slighted. Abuses increased to such an extent that it became easier to tell these people what they could do than to tell them what they could not do. We even went a step further and specified how it should be done, so the law became a sort of treatise or text-book on construction or a builder's guide. It was

patched and amended, revised and remodeled, but always along the old lines. No attempt was ever made to follow the more simple and scientific methods in use in Europe. Building habits once formed are hard to change, and any change involving a greater outlay of money with no corresponding increase in accommodations, was certain to meet with the most lively opposition, so that no one has ever had the hardihood even to suggest that our walls should be made strong enough to stand upright without the support of beams where wood was used.

The result of this same policy throughout the country has been most disastrous. Whole cities have been swept away time and again; lives have been lost by the thousands and hundreds of millions of dollars go up in smoke every year. When we hear our fire loss contrasted with that of European countries, we wonder at the cause and suggest almost every reason for it but the right one. We say our climate is drier, our foreign population is responsible, or our people are too careless in the use of matches, but few ever suggest that our thin walls, flimsy construction and the tinder we use in our buildings are the true causes of the trouble. It is not so much the number of fires which causes the loss, but their character. When a fire starts here it is apt to do a great deal of harm in a very short time; if we had better construction this would not be so, and the carelessness of the people in the use of matches and in other ways would not produce such disastrous results. Our walls afford no adequate barrier to the spread of the flames, the insufficient isolation of flues and beam ends and the use of wooden lath for the support of the plaster, are, in my judgment, the chief reasons for our extraordinary fire loss, and the proof of this lies in the fact that where different methods of construction are used the loss does not occur.

Here in the United States we lose every year a sum, by fire, which is equal to one-half the cost of new construction. In New York, between thirteen and fourteen thousand fires occur and more than \$16,000,000 go up yearly in smoke. A very large percentage of the most destructive of these fires originate in the cellars. Now, in almost all European cities the cellars are vaulted or entirely made of incombustible material. In Budapest,



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Hungary, no other kind are allowed for any sort of building, and the same is true of many other cities of continental Europe. I have no doubt that a regulation of this kind, if enforced, would reduce our fire loss by one-half and it certainly would not increase the cost of construction by more than 5 per cent. If this is true an annual expenditure of \$20,000,000 would result in an annual saving of more than \$100,000,000 or a profit of 500 per cent. on the investment. If our people, taken individually, have not sense enough to see the advantages of adopting such measures, they certainly have so collectively, if the matter could be properly presented to them.

Experience has shown that the greatest danger to which our cities are exposed is a general conflagration. Within my remembrance, Portland, Boston, Chelsea, Baltimore, Chicago and San Francisco have been destroyed by fire. We cover square miles every year with buildings which are veritable tinder boxes and which are separated from each other by walls which have no stability of their own, and which can afford no sufficient barrier to the spread of flames when once they get a good headway.

It seems to me that all this is entirely unnecessary so far as new construction is concerned. For many years a difference in cost between inflammable material and incombustible material has been constantly decreasing. On the one hand wood has become more and more expensive and on the other hand new and cheaper kinds of non-combustible material have been introduced. The gulf which now exists between the cost of the two systems of building might easily be spanned by requiring more stringent measures for safety in the use of wood and allowing more liberal methods in the use of incombustible materials. A distinction might very properly be made in the strength and protective requirements for fire-resisting materials used in buildings of moderate height and those in buildings of great height, and if this were done there would remain little or no inducement for the use of wood for any constructive purpose.

It seems to me that regulations of this kind would be in line with the most enlightened statesmanship, for they would eventually remove the danger to which we now stand exposed.

**Our Treatment of Incombustible Materials.**

Fireproof construction of the modern type,—that is to say by the use of metal beams with a filling of incombustible material,—was little used here until within the last twenty-five or thirty years. Our treatment of this kind of construction has been very

different from our treatment of that of the ordinary or non-fireproof type. While we have sanctioned methods of building, where wooden beams are used, which cannot be justified on any grounds of common sense or sane engineering, we have gone to the other extreme in buildings where metal beams were used and have required a superabundance of strength and much unnecessary cost. We make no distinction between high buildings of this class and low ones, or between buildings in which incombustible materials are used exclusively and those in which great quantities of wood are used; but in all practical ways we have discouraged the use of incombustible material and encouraged the use of wood.

In the Building Department no attempt has ever been made to hold the users of wood to the strict requirements of the law, as regards strength, while stringent requirements for strength have constantly been made for this class of construction and its cost has steadily increased.

At every proposed revision of the building law the insurance interests were always sure to be represented with urgent demands for measures which it was thought would insure greater safety; but which, as they had the effect of increasing the cost of this kind of construction, simply tended to limit its use and produce a result contrary to the one desired.

Instead of striking at the root of the danger by eliminating inflammable material from so-called fireproof buildings, they sought to find other means of safety which have not proved effective in practice, but which have added to the cost so that this kind of building has not, and cannot, become general until a different policy is adopted.

Sound, common sense requires that the use of non-inflammable materials should be encouraged in every practicable way and that the use of wood should be discouraged if it can be done without injustice. Every piece of wood which can be eliminated from buildings is a distinct gain to the community, also every unnecessary handicap in the use of incombustible materials is an injury to the city. This is a case where quantity is of more importance than quality.—Building Management.

When the game is advertising, specializing pays. You couldn't advertise hats in a brick magazine any more than you would advertise corsets in a tobacco trade journal. Selecting your medium depends on the class you aim to reach. If the class is architects or builders, your medium is "The Guide."

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**766 BUILDINGS FOR NEW YORK  
IN 1911.****INTERESTING DATA COMPILED BY  
SUPERINTENDENT OF BUILDINGS.**

An interesting series of tables, prepared at the direction of Rudolph P. Miller, Superintendent of Buildings in New York, with regard to the building situation in Manhattan, provides many interesting facts in connection with the heights to which it is proposed to construct the new buildings of different classes for which permits were issued in 1911.

The first table shows not only the number of buildings of various heights proposed, but shows also the occupancy and whether fireproof or not. A little less than one-half the buildings are intended for business purposes; of these more than one-half are to be fireproof. All buildings more than seven stories in height are fireproof, the building code requiring that all buildings hereafter erected to a height of more than seventy-five feet shall be fireproof. A large proportion (nearly forty per cent.) of the private dwellings are to be of fireproof construction. Of the eleven fireproof dwellings, ten are located in the residential section just east of the southern end of Central Park, the other one being the new residence for the president of Columbia University, at Morningside Drive and One Hundred and Sixteenth street.

A little more than one-quarter of the tenement houses are to be fireproof, none of them, however, to be located below Thirty-fourth street. One of the proposed fireproof tenements is less than seven stories high, that is, within the legal height limit for non-fireproof tenements.

The favorite height for the business building seems to be twelve stories, except that there are as many one-story buildings to be constructed for that purpose also. Many of these latter are so-called "taxpayers," though stables and garages also form a good part of them. More than one-third of the business buildings are to be located between Fourteenth and Fortieth streets.

A total of 766 buildings were projected in 1911, as follows: One story, 192; two stories, 69; three stories, 60; four stories, 35; five stories, 98; six stories, 109; seven stories, 31; eight stories, 36; nine stories, 15; ten stories, 12; eleven stories, 9; twelve stories, 85; four-



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teen stories, 1; sixteen stories, 3; seventeen stories, 2; eighteen stories, 1; nineteen stories, 1; twenty stories, 3; twenty-three stories, 1; twenty-five stories, 2, and fifty-five stories, 1, the Woolworth.

Of the total of 766 structures projected 464 were of ordinary or mill construction and 302 fireproof.

**SPACE FOR A SMILE.****HOUSEHOLD GOODS.**

The baby takes to her bed at night  
A one-eyed rabbit that once was white;  
A watch that came from a cracker, I think;  
And a lidless inkpot that never held ink.  
And the secret is locked in her tiny breast  
Of why she loves these and leaves the rest.

And I give a loving glance as I go  
To three brass pots on a shelf in a row;  
To my grandfather's grandfather's loving cup  
And a bandy-legged chair I once picked up.  
And I can't, for the life of me, make you see  
Why just these things are a part of me!

J. H. Macnair, in London Spectator.

\* \* \*

Mary: "Doesn't Ida keep her hardwood floors in beautiful condition?"

Alice: "Perfect! Every one who goes there is carried out with a fracture or a dislocation."—Harper's Bazar.

\* \* \*

**SHE ONLY WANTED ONE.**

Wife: "Do you remember the first time we met?"

Husband: "Yes. I was in business as a real estate agent, and you came to my office looking for a flat."

Wife (savagely): "Well, I found one."—Exchange.

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**Architectural Notes**

The County of Middlesex in England can teach all countries and States a valuable lesson in preserving whatever they may have of natural and historic charm and in preventing its defacement. Its old-world village of Ruislip, for instance, being close enough to London for daily commuting, has been laid out into a new village of pretty cottages; but the county saw to it that all the protective provisions of the New Town Planting Act were observed, and that the historic interests and beauties of old Ruislip remained undisturbed. As the spot is teeming with history in every nook and cranny, it meant considerable sympathy and attention to duty to perpetuate these, instead of sweeping them away before the new scheme.

The next activity of the Middlesex County Council was to enter into a formal agreement with all bill-posting companies in Great Britain, whereby no signs or bills should be placed where they marred the landscape. The terms of this unique agreement are as follows: The members of the various associations of bill posters promise that before erecting a billboard they will give notice to the local Council, in writing, of their intention, accompanying this notice with a plan showing the position of the billboard with regard to the street and nearest houses, and a statement as to its proposed height and material. Criticisms or objections made by the authorities are to receive full consideration with a view to meeting the wishes of the Council. Whatever billboards pass approval are to be maintained "in a neat and tidy manner" and if any paper or other material affixed thereto for advertisement purposes should become detached, such paper or other material may be removed and cleared away by the town. No billboard may be erected or project in front of the front mainline of the houses, or may be placed so as to disfigure the landscape. To all this the bill posters agree and promise further to discourage the erection of signs and advertisements in beautiful fields.

It is to be hoped, comments "House Beautiful," that some of our own boroughs will take up these matters in the same hearty, determined way.

\* \* \*

A reference was made in the last issue of the "Mantel, Tile and Grate Monthly" in regard to the Della Robbia room in the New Vanderbilt Hotel at Thirty-fourth street and Park avenue, New York City.

This room, without exception, is one of the finest examples of tile work in existence and a visit to the same will well repay all those interested in tile work of this description.

The treatment of this room is sky blue, cream and gold, and the architects, Messrs. Warren and Wetmore, who have a national reputation, have spent a great deal of time and thought in designing this room in not

only making the color treatment a striking feature, but also in demonstrating the great advancement which has been made in the use of tile for interior decorations.

Those who have been fortunate enough to have seen this room, are not only amazed but seem to be at a loss to find words adequate to express their admiration, and the tile work itself is an illustration of what can be done with this material by skilled mechanics.

The sky blue faience tile which was furnished by the United States Encaustic Tile Works was a specially manufactured dull blue of a particular shade, color and texture indicated and desired by the architects.

In examining this room one is struck by the great amount of study and thought which the architects have given it, and which is followed out throughout the entire hotel even to the detail of the door knobs which have medallions of wedgewood to correspond to the various color schemes with which the various schemes with which the various rooms are identified, in fact, there is practically no building in existence that compares with the Park Avenue Hotel for its beautiful and most lavish decorations, and under these conditions the hotel is considered one of the marks of interest in New York City.

\* \* \*

Chicago, inventor of the skyscraper, took the ground from under the last dismal prophecy of disaster for these buildings uttered by standing among structural engineers, on September 10.

Wreckers of the Rand-McNally building, a pioneer structure of the steel skeleton type, have discovered the metal framework to be so nearly untouched by almost a quarter of a century of service that the paint is still on the beams. Careful tests showed the framework to be practically as strong as on the day it was built.

In the opinion of Joachim G. Giaver, chief structural engineer for D. H. Burnham & Co., the designers of the building, the structure would have stood indefinitely. There was practically no rust, and so far as the wrecking has gone the forebodings as to electrolysis appear to have been without grounds, at least in this building.

Assurance, given by the findings in the Rand-McNally Building, as to the safety of the billions of dollars invested during the last decade in tall buildings whose construction was virtually an experiment, gives the matter a national significance.

A permanent photographic record is being taken of every stage of the dismantling. Careful engineering tests also are being made, and the results are being tabulated. A comprehensive technical report will be made by Chief Engineer Giaver as soon as the wrecking is completed, and it is believed he will be able to give the steel-skeleton method of



constructing buildings a clean bill of health and an indefinite endurance record.

That lower insurance rates on tall buildings may result from the Rand-McNally Building findings is considered a possibility. Actual collapse through the crumbling from rust and electrolysis of the steel shell which supports high buildings of the modern type was one of the calamities prophesied. Probability of such an accident now is declared to be extremely remote.

\* \* \*

Experiments have recently been carried out in Germany with the object of discovering methods and means for rendering walls and ceilings capable of effective resistance to sound transmission. One of the more recently devised methods involves the use under the ceiling, or parallel to the wall, as the case may be of a network of wire stretched tightly by means of pulleys secured into adjacent walls and not touching at any point the surface to be protected against sound.

Upon the wire network is plastered a composition formed of strong glue, plaster of paris and granulated cork, so as to make a flat slab, between which and the wall or ceiling is a cushion of confined air. The method described is said to be good in two respects: first, the absence of contact between the protective and protected surfaces, and, secondly, the colloid nature of the composition recommended for the plaster.

\* \* \*

"Ever since that interesting architectural feature of a room, its fireplace, was supplanted by ugly cast-iron registers or radiators, the heating engineer who sees to these latter, has been at war with the architect," observes "House Beautiful." The man who installs the new system generally insists that, for efficiency, its outlets, whether radiator or register, must be placed in the most prominent spot in the room. This the architect, being hampered by an imagination, opposes and suggests an unobtrusive corner or under a window seat, or else that he be allowed to convert the cast-iron monstrosity into an attractive bit of design. "But that would not make a good heating job," protests the other, in whose mind ugliness and a comfortable temperature are inseparable companions. For long years he tyrannized over us, till some audacious architect placed beautiful little terra cotta screens, of charming design and workmanship, over the hot air outlets. Forstalling the engineer's complaint that the interstices were smaller, the architect increased the whole surface of the outlet so that the same amount of vent was obtained as through the average cast-iron stock size

register. The heating engineer looked dubious, but the inhabitants of the house have not frozen to death. Since these first experiments succeeded it has become the custom in all better class work where hot air or any other indirect heating system is installed to have specially designed registers in bronze, terra cotta or perforated marble, of Pompeian, Renaissance, or other harmonious pattern. These, of course, are expensive but they are in rooms where money is willingly spent for every other detail.

Once the register was proven amenable to improvement, architects turned their attention to the more difficult task of concealing radiators—those hideous objects made even more so by bronze, aluminum, or japanning. Here, besides the stubborn heating engineer to be overcome, was the fact that the size of the radiator was determined by exact calculation, and its position in the room by the question of efficiency rather than by mere appearance. Efficiency generally meant under the most prominent window. In brick or stone houses it was found possible to conceal the radiator in the thickness of the wall under a window, boxing it in to form a seat with screened front and top. This gave considerable surface for radiation though not enough to satisfy the man whose eagerness for "a good heating job" justified no end of eyesores in the house. This is now the approved method, and is not very expensive if ordinary chair cane is used for the screen; being not only cheap and easy to replace, but also harmonious in rooms of informal treatment. Even in frame houses, where there is no wall thickness to help solve the problem, architects are devising boxing-in schemes, which do away with the former unsightly radiator in all its nakedness. The heating engineer still grumbles, but if this improvement interferes with radiation, then it is his business to remedy his system and make it commensurate with good looks.

#### WIRE GLASS AS A FIRE RETARDER.

One of the most effective materials used in buildings of the fireproof class has been found to be wired glass. Not only is the wired glass much stronger than any ordinary glass, it also has the added advantage of remaining in position after it is broken, thus preventing drafts in buildings that have taken fire. In extensive conflagrations, where entire blocks have burnt, the firemen have been greatly aided in fighting the flames by the wired glass, it acting as a shield, behind which they have been able to

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successfully fight the flames in adjoining buildings.

Wired glass is most extensively used in elevator shafts, skylights, and doors, and it has been proved, wherever there have been large fires, that buildings equipped with this kind of glass have withstood the ravages of the flames to a much greater extent than buildings of larger construction, in which ordinary glass was used.—Building Management.

#### IDEAL CONTRACTS ARE RARE.

"In putting a price upon any sort of work one realizes that there is a price at which under the most favorable conditions one can do the work," remarked Mr. Leonard C. Wason, president of the Aberthaw Construction Company, Boston, in a recent paper.

There are contingencies which arise in the course of a job which are not included in the ideal program. Some of these can be removed by foresight and good management, others seem to come under the class of "unavoidable." The bidder must not only decide the cost under average conditions, but must judge whether the conditions of the proposed job are average or special. He must balance the probabilities of unforeseen circumstances and decide how narrow a margin he dares to leave between the actual possible cost of the work and a living profit. The wisest heads are not commonly those who disregard difficulties.

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#### THE WOMAN ARCHITECT.

The woman architect is a never-failing topic in the secular press—always pointing out how eminently fitted fair woman is to plan and design closets and kitchens as well as the further human-interest phase of the feminine touch exquisite and divine in laying out wall spaces for best decorative adornment, proper arrangement of doors, and numerous other similar points. The argument is that mere man as a designer gets the sinks too high, the pantry shelves inaccessible, the closet space inadequate as well as inconveniently located, and numerous other crimes and misdemeanors, gross and otherwise. Fair woman frequently can and would make a first-class designer of residences as well as other structures, but in singling out the things

which are desired in the foregoing bill of complaint, it is to be observed that they are sought to be the main end and aim of the structure. That is something that no owner would endure, if put to him baldly and flat. And it is in the working out of the combination of the general arrangement that some of these things do not get the attention which sometimes seems desirable. The average architect desires to please his client quite as much as anyone else. He wants to give the relative closet space and domestic equipment arrangement which seems to be essential. But when the arrangement is made on that basis, it calls for material extensions of the general plan in order to handle them as they are desired, and here is where the average client balks. He may want everything that the critics claim is needed, but very often he does not want it at the expense of cutting into other portions of the structure, and still less does he want to make the general extension of the building, in order to handle all the needs. It often works out to the old problem of the immovable body and the irresistible force. Given a maximum cost, and a maximum size of structure, accompanying certain indispensable rooms and equipment, and there comes a point where something must give way. And even fair woman, as accomplished as she may be, cannot defy the laws of physics and mathematics, and produce more closets and better arrangements in every way, without impinging upon some of the inhibitions so often encountered. There is no sex to genius, and woman can plan dwellings, if such be her trend and bent, but on the other hand, she may not be able to meet every side of the demand from the average impractical owner any better than her male competitor.

If it be that she does produce a better kitchen and closet arrangement, it may be at the expense of other factors which in their absence seem to be even more important to the aggrieved owner. The architect—male or female—will try to produce what the owner wants. But too often that is a flexible and variable quantity which cannot be met without a structure which has the advantages of the condensed flat, and at the same time has the space of bungalow, the expanse of the country home and can present alternately every style of architectural arrangement, known and unknown.—Exchange.

#### SKYSCRAPERS AS BUSINESS. MONUMENTS.

"It is a conceded fact that the life of the average skyscraper is but twenty years, as in that time the neighborhood will rise and fall in value to such an extent as to make the building twenty years hence either too good for the neighborhood or out of date," said L. R. Christie, a Chicago architect, at the national convention of building managers. "In checking up a number of office buildings throughout the entire country I find many modern buildings marking a dividend of less than 3 per cent. Analyzing such propositions, one cannot help but come to the conclusion that the original construction and layout of the building is the direct cause of no better returns.

"The days of putting up office buildings as monuments to vanity to perpetuate the name of an individual have passed, and shrewd business men now appreciate the fact that an office building investment is there to earn dividends the same as any other business. There is no question that an office building planned by a specialized architect coupled with the co-operation of a progressive building manager can come nearer to reaching an ideal building not only from a point of beauty, but from commercial value."

#### LIFE'S CODE.

(By the late Daniel H. Burnham.)

Make no little plans; they have no magic to stir men's blood, and probably themselves will not be realized. Make big plans; aim high in hope and work, remembering that a noble, logical diagram, once recorded, will never die, but long after we are gone will be a living thing, asserting itself with ever-growing insistency. Remember that our sons and grandsons are going to do things that will stagger us. Let your watchword be order and your beacon, beauty.

The most valuable asset in any business undertaken is brains. A necessary asset is money. Opportunities come to us all, but are not always grasped when they knock at our door. The big opportunities come and remain with the man who can combine an investment of money, however small, with a large investment of brains.—Exchange.



## POLYCHROME TERRA COTTA

What a glorious thing is color! It is all important! Although by many this has been called the constructive age, the intensely practical age, the age dominated by ambitious personalities whose stimulating natures have led to the realization of many a "wild cat" dream, the age which knows no architectural precedent or limitation—it is also, in spite of appearances, an age by no means oblivious to the charm of beauty, and beauty as often means color as it does proportion or ornament. Yes! This age of bridges and great towers. This age of the impossible! This active, tireless and exacting age,—demands color. It needs a second Venice. Color of the most distinctive and decided nature, write Samuel Howe in "The American Architect."

In a word, the buildings we know to-day for their cost, occasionally for their beauty, as well as for their measurement, their accommodation, their financial return, might with a little more study and thought be equally famous for some distinctive mark of character and color.

In some such order as this does the story of the peoples who enrich their buildings with color appear upon the pages of history, and it is wonderfully supported by the testimony of the various ruins in different localities. First the Egyptians and following the Persians, Assyrians, Greeks—for even in the frieze of the Parthenon were traces, probably of color, discernible—the Etruscans, Chinese, Japanese, Mexicans, Peruvians, Arabs, Moors and Turks. There are doubtless also to be found buildings by the Gauls, Germans, Scandinavians, Goths, Huns and Vandals, where color formed a large part of the architectural scheme.

In a most remarkable manner did the localities barren of costly marbles resort to clay, fired and glazed, as a color-bearing agent. There is about everything that has gone through the fire an engaging air of mystery. This is doubtless inspiring to the imagination and difficult to explain, clay bathed in glazes and fired was a child of an enchanted world, puzzling and elusive perhaps at times when veiled with a thin glaze, but promising great things.

The harem at the Palace of Khorsabad, at Niniveh, Assyria, had walls of enamel brick, covered with colored enamel. There were six colors: blue, yellow, green, dark ochre, black and white. The decoration was of the clearness which was highly prized by the Assyrians; blue forms the background of the ornament.

Decoration was also painted on the plaster at Knossos and color by various agents is also to be found in the Abbey Church of St. Savin near Poitiers and St. Anastasia, Church of Verona.

No wonder the Pisans decorated their churches with the bowls and basins captured

from the Saracens, because of the wondrous lustre of their surface. The Gate of Justice, at Granada, the Cathedral at Amiens, depend largely for their interest upon their color, the tones of the latter being vivid in the extreme, bright vermilion red glazed, crude green and orange, yellow, ochre, black and pure white. Occasionally blue appears. The facade of the Palace of Justice at Cologne is enriched with mosaic, also the C'd'Oro of Venice, the Miniato Al Monte, Florence, St. Mark's, Venice. One of Giotto's pictures shows a white building crowned with a bright scarlet cornice, and bearing semi-circular panels with mosaic in geometric patterns upon the wall spaces, and so it goes.

The student of the Orient has many such examples before him. For instance, he knows the blue, the green and the red mosque, and he knows them because of the extreme beauty of their domes and minarets. Travelers speak eloquently of their quality to sparkle and shimmer in the sunlight. They tell us that the picture once seen is never forgotten, and that it has stimulated writers and poets, providing a perfume for many a description.

During the last few years, considerable attention has been given to the subject of textures and various devices have been resorted to whereby interest in the plain surfaces as well as interest in the architectural detail, has been greatly enhanced, whatever the style or the character of the building. Study of material has for the moment, in many cases, persuaded the architect to become, as it were, a craft-worker, busy with the fascinating nature of clay products as well as of the tenants of the hillside, rich in oxides, veined upon the surface of marble, or held suspended, as they were, in granite-like formations.

The secret of these glazes—scarce thicker than paper—could surely be rediscovered by our industrial chemists and manufacturers were interest sufficiently stimulated in this fascinating subject. Given one iota of the attention and thought to this question which has characterized the equipment of the engineering side of the architect's knowledge and his grasp upon building problems; and once again will the sky line of a modern city reflect insistently the cultivated taste of a great people.

Regarding the treatment of plain glazed surfaces there is much to be said. There seems to be in the minds of some manufacturers—and I fear at times it is shared by certain architects—a desire to so highly finish the surface of terra cotta as to invite the idea that it is intended to be a copy of stone or of marble, or a delicately enameled surface without law or texture. Glazed terra cotta is no imitator! By no stretch of the imagination can any one be justified in accepting it in this light. To think of it for one moment as a reproduction or copy of another building material must surely be realized as a serious mistake, a grave error of

judgment. Terra cotta, be it glazed, semi-glazed or unglazed, has its own individuality, its own language, its own character. It is as individual as any cube cut from the quarry of any hillside and should be so regarded in the realm of architecture. It is scarcely necessary to recall the enthusiasm of the Della Robbia's and the wild, tireless search by Palissy, the potter for glazes and modeling adapted to receive glazes. This is a matter of cultivation—of appreciation—if you will; not a fantastic and capricious fancy of the moment.

This means that the color may be mottled? It does. Take for instance a series of quoins or dressings for the corner or a building or window or door opening. Each block has been separately moulded and dipped or "sprayed," to quote the jargon of the workshop, and it has also been separately fired. (Modern science has of late busied itself to determine the exact temperature of each tenant of the kiln without making much headway.) It is as distinct a unit of the building as it well can be to have come from the same working drawing and be moulded from the same strata of Mother Earth. Is it unreasonable to ask that its individuality be respected? Does any one want to regard it as a mere foot or so of a given enrichment, be it cap, entablature, architrave, cornice or what not? It must, of course, conform to the same rule, line up with and become part of the constructive whole and be subservient in other ways to the general scheme of the design, but forever it will remain individual. Its face may bear some quaint markings, memories as it were of a high temperature in the fierce struggle. Metallic oxides frequently vary, according to the position of oxidization in the kiln. All this is delightful. Of course there is a limit to this kind of thing and there are certain ceramic changes which are legitimate and others that are not, but are rather the result of careless workmen. The diversified tone might become an affectation, and poor and careless work could be passed off on the plea that it were really a caprice and only a caprice of the kiln. This, of course, must be guarded against.

Glazed terra cotta adapts itself to the seriousness of a monumental or of a picturesque theme. The Renaissance of the Italian revival shows many grandiose conceptions of surprising dignity and simple grandeur, and this without in any way appearing to imitate stone or marble.

The lovers of color have for many years been disturbed by the continued greyness and dullness of the facades and demand something to enliven the life of the man out of doors and offset the monotonous commonplace that confronts him.

Beyond doubt, the coloring of architectural ornament for the sake of additional emphasis is a study by itself demanding the keenest attention and unusual knowledge of a specific kind; a composition may please to-day and yet grievously disappoint in a year or two. The climate has a different effect upon dif-

(Continued on page 682.)



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## Editorial Comment

The suggestion is advanced by one of our subscribers that a committee wait upon Mayor Blankenburg to ask the use of the show booths,—erected for the Water Conservation Exhibit,—in City Hall court-yard, for a building material and equipment show to be held after the water experts are through with the demonstration now going on. "The Guide" regards the suggestion as a good one and trusts that it will be acted upon without delay. Philadelphia's reputation as a City of Homes has given her a unique position as a centre for all that is newest and best in modern building equipment. If the city may, without criticism, hold an exhibit made up wholly of the products of manufacturers of water saving and plumbing specialties, it may with equal propriety permit the use of the pavillions erected for this purpose for an exhibit illustrative of Philadelphia's eminence as a building and building equipment centre. The pavilions as temporary frame structures are doomed to be torn down in any event in the near future so that the time to strike for the privilege of a building show if at all is right quick, while the opportunity is available. No better locality for a show of the kind could be imagined—the very heart of the town, rent free and without charge for space or illumination. Let us have a building show by all means! Here is an opportunity to boost Philadelphia's fame as a building centre such as does not often happen—on municipal ground, under municipal auspices, with municipal lighting, and in the choicest business location in Philadelphia. What say you, Mr. Mayor? Shall it be a building show, following the Water Conservation Exhibit,—or a quick job for some wrecking concern?

\* \* \*

That Fire Prevention Bureaus may carry their exactions to a point burdensome in the extreme to property owners is evidenced in a protest just entered by New York real estate men to certain rulings of the bureau charged with reducing fire risks in that city.

The following is a statement from the counsel of the Realty League, Carlisle Norwood, of 68 William street, covering two of the cases which have been submitted to the committee as typical of present practice. In the first case cited the cost connected with installing fire prevention apparatus would amount to more than the building is claimed to be worth. In the second case the owner is called on to make improvements in a building which had complied with all the laws at the time of its erection only two years ago:

"Premises 134 William street. This building is approximately 25x100 feet and is six stories high. The construction consists of brick fire walls on either side, the wooden floors being supported with wooden beams.

At the northwest corner next to William street is situated a freight elevator, the shaft of which is enclosed with wood and glass. On this side also is a line of enclosed wood stairs running to all floors. There are fire-escapes on the rear of the buildings, as well as bridges leading to adjacent rear buildings. Escape can be made from the roof to adjoining roofs. There are fire shutters on all windows.

"The top floor is occupied by a bindery with a maximum of twelve employees. The fifth floor is vacant. The fourth floor is occupied by a printer with six to eight employees. The third floor is vacant, but at the time violations were issued it was occupied by an electrotypist who to the best of my knowledge employed about six people. The second floor is vacant. The ground floor is vacant, but at that time was occupied by a dairy lunch.

"The assessed valuation of the building is \$5,000. The main items called for in the violations are a fireproof enclosure around the elevator shaft and an automatic sprinkler system throughout the building.

"Other requirements are:

" "Close all openings in fire walls where belts run through with fireproof material; install twelve fire buckets on each floor; install 'No Smoking' signs on all floors; install fireproof receptacles for waste paper and rubbish on all floors; close fire shutters at night."

"The cost of the sprinkler system and fireproofing of the elevator shaft in this particular case will amount to more than the value of the building, and when this work is completed the building will be very little, if any improved as a commercial proposition or from a safety standpoint."

"Premises 247-253 West Nineteenth street: The order of the Fire Prevention Bureau desires that with 60 days a sprinkler equipment system shall be installed throughout the whole building.

"It may be stated that it is a building which was constructed and finished about January 1, 1911, and at that time complied with all of the conditions, regulations and orders of all departments of the City of New York.

"The building itself is thoroughly fireproof; the floors are cement, the windows throughout, including the front, are all of hollow metal, wire-glass, etc. The order continues:

" "That within sixty days, outside balcony fire-escapes be placed on the front of the building; all windows on same to be of metal frames and sash with wire glass; upper sash to be immovable; lower sash suspended with metal chains with fusible links, so that same will be exposed when lower sash is opened."

"The building is provided with ample means of escape with fire-escapes on the rear, leading to the roof; this escape is constructed the same as stairways and has no windows,



and leads to a fireproof passageway leading to the street. The building is also provided with two interior stairways absolutely fireproof; even the hand rails are of iron.

"If sashes were constructed in conformity with the foregoing order of the Fire Department, with the upper sash immovable, and the lower sash suspended by metal chains with fusible links (if there is anyone who knows just what the department means), then in case of a fire the melting of the fusible link would permit the sash to close with a bang, and the sash would be fastened so thoroughly by the inside catch, which is compulsory by the Board of Fire Underwriters, that if a person were on the fire-escape, while descending from one of the upper stories, and desired to enter one of the stories which was not in flames, he would be entirely cut off from all means of escape, by reason of the sash having closed of itself and become so fastened that he could not open it. It is further ordered:

"That within thirty days an iron stairway be provided on the present fire-escape, from second floor to street level. That stairs be extended to roof. That all doors leading to stairs be made to open outward, and door from main hall to street."

"What the department means by an iron stairway to be placed on present fire-escape from second floor to street level, we do not know. The present fire-escape has a direct communication with the street through a fireproof passageway; and as to the question of the extension of the present stairways to the roof, this in itself would be a crime; for if there was a fire on one of the lower floors, a person going to the roof would have no means of escape."

The owner has complied with the direction to make doors which lead to stairs to open outward instead of inward, though the Realty League's counsel asserts that this is an outrageous provision of the law, for reasons which he gives details. As for making main doors on street levels to open outwardly, this he agrees is a just provision.

He further says that the provision making an owner personally responsible for the enforcement of "no smoking order" is absurd and impossible to comply with. The representative of the owner of the building in question has had personal proof of the inefficacy of calling the attention of employees of tenants to the so-smoking signs, as he was told that it was no affair of his.

\* \* \*

Brooklyn is agitating the eminently sensible idea of licensing builders. Superintendent Carlin, of the Brooklyn Building Bureau, remarks how singular it is that in an age in which virtually everybody from the peddler and plumber up to the physician is required to be licensed the builder, whose capacity for mischief is probably as great as all three combined, should be permitted to operate unregistered, unhindered and practically unregulated. Says Mr. Carlin:

"Of all trades, this is the particular one for which a license should be required to per-

mit construction work. A defect in plumbing, whether as a result of ignorance or carelessness, readily discovered and easily remedied. It is inconsistent that while we require almost everybody from a doctor to a peddler to prove his fitness before being licensed, and then being registered before being allowed to practice his profession or trade, we allow anybody to operate as a builder.

"This is an occupation involving the health and safety as well as the financial interests of the public.

"A plumber who is at fault may have his license revoked, thus removing him as a menace to health and comfort in the community, but a builder, such as I did not believe existed until I came into the Department of Buildings, and some of whom I have found to be doing a shameful class of buildings, is allowed, unhindered by law, to construct as he pleases, except for the restrictions of the building code and the supervision of the inspectors of the Bureau of Buildings.

"There are many important principles and rules of workmanship which all the inspectors in the department are powerless to enforce. The best that we can do is to compel such builders to live up to the requirements of the building code as to quality of material, thickness of walls, etc., but as to the manner in which these materials are used, walls built out of plumb and without properly filling the joints with mortar, materials for mortar improperly mixed through ignorance or carelessness or cupidity, brick walls laid up in such a slovenly manner as to be disgraceful, these are matters beyond our control.

"The bricklayers' unions should compel an applicant for membership to qualify as to his ability before granting him a card of membership, but it would seem that they do not care whether a man is a good mechanic or not, so long as he qualifies financially for a membership card. It seems impossible to get proper work done when men totally ignorant of the first principles of construction can engage in the building business, and still worse when this class of men go into it with a determination to violate every principle of law, and whose ignorance leads them to permit the cheap class of workmen they employ to do things that are a menace to life and limb.

"It is my object to request of the proper authorities that this matter be drafted in legal form into a bill to be introduced in the next session of the Legislature, and I trust that public sentiment as represented by the press, as well as all legitimate financial and building interests, will lend it their support."

Mr. Carlin states the case about as well as anybody could state it in the words above quoted. It is not intended that a licensing act should in any sense hamper or interfere with the legitimate builder. Such an act would be, on the contrary, a protection to the legitimate builder, barring out the shoe-string operator, the "jerry" builder, the foreign contractor with his underbidding and scamp practices and a whole host of butters-in

on the business whose chief qualifications are glibness of speech and a magnificent ignorance of enduring workmanship.

\* \* \*

"R. H." writes in to say that he thinks "The Guide" is very much in error with reference to the qualifications of the men who assess Philadelphia real estate. "R. H." thinks these gentlemen excellent judges of local realty values and faithful servants of an ungrateful municipality. "R. H.," it should be needless to state, is entitled to his think. "The Guide" has quite another think—the think stated in last week's issue to which think "The Guide's" thinking is still inclined, notwithstanding "R. H.'s" communication.

#### NEW INVENTIONS.

Samuel Dean, Wollington, Mich., spirit level. No. 1,038,536.

W. D. Forsyth, Youngstown, Ohio, fireproof floor system. No. 1,038,551.

E. H. Henderson, Chicago, Ill., assignor to Henderson Scaffold Hoist Company, Chicago, Ill., scaffold supporting mechanism. No. 1,038,579.

W. R. Jeavons, Cleveland, Ohio, door. No. 1,038,590.

F. F. O'Rourke, New York, N. Y., method of constructing foundations. No. 1,038,635.

B. F. Yantis, Hollis, Ohio, plumb-level. No. 1,038,705.

John Wetsue, Wash., floor-scraper. No. 1,038,807.

J. G. Barbour, Canton, Ohio, assignor to the Metropolitan Paving Brick Company, Canton, Ohio, brick. No. 1,038,823.

F. M. Brinkerhoff, New York, N. Y., assignor to National Pneumatic Company, Chicago, Ill., combined door operating and locking device. No. 1,038,837.

F. P. Moyer, Utica, N. Y., window screen. No. 1,038,936.

J. F. Murphy, Minneapolis, Minn., assignor to Flour City Ornamental Iron Works, Minneapolis, Minn., door-hanger. No. 1,038,938.

V. V. Ormsby, Chaney, Okla., window pane fastening. No. 1,038,946.

F. N. Russell and Edwyn Clark, Chicago, Ill., mitering device. No. 1,038,966.

Joseph Stretch, Freeport, N. Y., assignor to F. D. Lambie, Montclair, N. J., mold for concrete buildings. No. 1,038,986.

C. P. Vernier, Cedar Rapids, Iowa, door-frame. No. 1,038,994.

James Warner, Philadelphia, Pa., arch construction. No. 1,038,996.

M. F. Adkin, Ranger, W. Va., framing tool. 1,039,076.

Ludwig Christiansen, Lynn, Mass., door guard for elevators. 1,039,097.

A. L. Johnson, Hamburg, N. Y., assignor to Corrugated Bar Company, St. Louis, Mo., securing clip for wall structures. 1,039,136.

W. E. Ulrich, Detroit, Mich., metallic sash glazing clip. 1,039,224.

L. A. Bittorf, Sterling, Ill., assignor to National Manufacturing Company, Sterling, Ill., door hanger. 1,039,246.

H. M. Davis Leetsdale, Pa., window. 1,039,263.

J. L. Faulharber, Elwood, Ind., assignor to the Eller Manufacturing Company, Canton, Ohio, sheet metal roofing. 1,039,267.

Bartholomaeus Jackle Locherhof, Germany, fastener for blind slats. 1,039,291.

Andrew Johnson, Jamestown, N. Y., sheet metal door and the like. 1,039,292.

John Mitchell, Ponsonby, New Zealand, construction of building walls. 1,039,313.

F. D. Renaud, Chicago, Ill., flashing block. 1,039,320.



## Is that New Building Operation of Yours Nearing Completion?

Are you ready to show possible purchasers what you have prepared for them in the way of modern conveniences? You are not ready if the houses have not been wired for Electricity—you cannot make quick sales now-a-days unless dwellings are electrically equipped.



### POLYCHROME TERRA COTTA.

(Continued from page 679.)

ferent colors. Not that they fade, but that the deposit of carbon from the smoke neutralizes some colors without having much effect upon others; for instance, a middle-toned blue, red or purple will withstand the attack for many years, dulling perhaps and generally blackening, while ornament made up of white, yellow, buff, light green, all run together and becomes too often flat, dull, anaemic and uninteresting, if not even unintelligible, viewed even from a few feet. It is this kind of information which is alone to be secured by visiting buildings some ten or fifteen years of age, where the chemical action of the climate can be studied on the site and the situation more easily understood. Again, the question of distance from the sidewalk or elevation counts wonderfully in the arrangements of the palette, and the quality of the color to be introduced is also important.

Some days ago it was my privilege to note an interesting skyscraper crowned, as it were, with a golden coronet. Yet it was a very simple composition; the coronet was a deeply covered portion of a frontage, paneled with orange colored terra cotta blocks. In its position it would never harbor dirt, but would always remain bright and cheerful. Deposits of soot were not likely to dull its surface. The rest of the building was a light tone buff.

From the "luxurious miracles," as Pliny calls them when he names the grand antiques, the Breche Orientale, the Skyros and the Campan Vert of the Pyrenees—rich marbles—from them must the architect look for knowledge of color likely to be of service, and to them will he naturally point the manufacturers of terra cotta.

He will not, however, forget the lustres by

Maestro Giorgio and he will, doubtless, if he belong to this favored country, however, recall the triumphs of opalescent glass—color glaze in another form, nor will he be blind to the memory of that preparation of clay and glass which appeared under the name of ceramo-crystal or vitreous mosaics, wherein the low-toned surfaces of some of the duller types of marbles are recalled.

These dull surfaces are extremely valuable, they do not disturb the effect of the solidity of the wall, nor do they separate, as it were, from the composition as a whole. They are not disturbing, they express the language of the architect uniting carving with moulding, and are valuable in a hundred ways, forming as they do a rare change in texture, introducing color without a glassy divorcement, which ennobles and makes happy in a soothing and comforting way. Such changes are of great value where economy has to be studied.

This low-toned color bearing, vitreized, sandy surface is very hard and dense. It is imperishable, much of it having stood from the times of the early Romans as pavements in exposed positions. Almost anything reasonable can be done with it. It can be made in slab or tile, about a quarter of an inch thick, and it can be broken in fragments so that the fractured edge enables it to furnish a key to cement. Or it can be cast as projecting mouldings. Tesserae—broken fragments of various shapes—form delightful borders when used in connection with marble or stone, or brick; indeed, by some they are very skillfully introduced into walls of concrete. In brief, this material also is simply glazed under another classification, made under other conditions, wherein the mystic charm of metallic oxides is swayed by the madcap goddess we know under the facetious name of color. Yes! a right glorious thing is color.

Semi-transparent glazes enabled the early toys of the Egyptian children to retain a recognizable shape; man is still toying with clay, the material of which the best of us are made.

In this he has doubtless been splendidly assisted by the manufacturers of brick, these gentlemen having attacked the subject firmly and with vim, often extracting from the most unpromising clays bricks of a wonderful color, red, buff and cream fired at the ends a dark purple. Indeed, this making of bricks is one of the great industrial triumphs of a victorious age. The diversified texture, however, is of greatest value for low buildings whose frontages can readily be washed down should the smoke-begrimmed atmosphere deposit its carbon upon them, choking the cells and neutralizing their tender shades. Tall buildings require glazes, glazes that protect, being transparent and thin without altogether concealing the body of the clay. This semi-opaque effect is extremely valuable and too little understood. By some subtle device the industrial chemist has drawn, as it were, a thin veiling over the rough surface of the body, permitting it to peep out in places and, as if by some fairy caprice he has skillfully

added more color in some places than in others, so that the body is permitted to take part in the scene. Such semi-glazed surfaces are of inestimable value when used in connection with the rougher textures of brick which are devoid of glaze. They also lead up to and enrich the opaque colors where the tone is solid and vigorous.

There are doubtless a thousand and one means whereby decorative contrasts may add interest to large surfaces when viewed from a distance.

As a general rule it goes without saying that the smaller the surface the more brilliant must be the color. Still a discussion on this subject can hardly be undertaken here. Its opaqueness and transparency are important. For some unknown reason preference has been given to what is known as matt surface. Tones of white with this treatment are very satisfactory—so far as they go—but the addition of color gives life to the whole thing, particularly if it be brilliantly glazed. At times the vividness of luster or majolica is needed. This is one of the charms of terra cotta, adding comparatively little to the cost, yet it is everything to the picture. It requires knowledge and pluck to lay out the scheme of, say—a projecting string course overhanging cornice, pediment, tympanum, or even cap in brilliant colors—colors that shall sing as jewels in the distance! And the average architect is scared at the result, when confronted with the samples in his office. It takes years of experience to tell just how such detail will count in the facade when seen at an elevation of two, three or four hundred feet on a dull day!

It is with no little pleasure that I learn from reliable authority of the experiments now being made by a leading sculptor, possibly, I should say, the principal sculptor of this country, in adding to his work the interesting element of color. Just what success has been made is a secret! Just what direction and effect he is striving for, remains also to be discovered, but of this we may rest assured, that if but one-half of the skill that has characterized his work hitherto be devoted to this craft, we all shall be greatly enriched. It is perfectly natural that we should look to the sculptor. Was it not the Della Robbia's headed by Luca of that name, who first conceived the idea of adding to his work a color note of great charm? Is it not the sculptor whose grasp is so immediate and direct who usually helps us in our need, for he knows the value of accent and just where to stop?

### AN EPITAPH.

Here lies the remains of Jonathan Wise,  
Who all his days schemed to devise  
A way to reap fortune's golden prize,  
And failed, 'cause he wouldn't advertise.

The trouble with some advertising is that it is like the conversation of certain people—it never says anything.—"Novelty News."





Architects: De Armond, Ashmead  
and Bickley, Phila.

RESIDENCE OF WM. E. WEBER, MEADOWBROOK, PA.

## Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

\*\*It is shown in cities where frame buildings are relatively scarce and where each is less costly than its solid neighbors, nevertheless so many more of them are destroyed by fire that their value is (with contents) \$10,000,000 more in a year than the loss on solid buildings and their contents—truly an indictment of wood, a proof of the virtues of brick. Mr. Franklin H. Wentworth, secretary and treasurer of the National Protective Association, a body composed of some seventy-five such organizations as the Chicago Board of Underwriters (whose laboratories are the accepted authorities on fire resistants), the American Institute of Architects, the American Institute of Electrical Engineers, the National Board of Fire Underwriters, etc., writes as follows:

"We need to focus all the propaganda work that is possible to do to discourage the erection of wooden buildings. The conflagration hazard due to such construction is the most serious problem with which we have to contend."

\*\*Charles Dipple, general superintendent of the Hecla Iron Works, Brooklyn, manufacturers of architectural iron work, has resigned and will be succeeded by his son. A banquet was given in his honor last Saturday night. Mr. Dipple will continue as a director of the company. He has been connected with the works for thirty-six years.

\*\*In a report submitted to Mayor Gaynor, of New York, recently, Commissioner of Accounts Fosdick recommended a closer super-

vision over the erection of advertising signs in that city. There are, according to the report, about 3,700 bill-boards in the city and the companies which control them charge from one to two and one-half cents a square foot a month, producing a revenue of, say, \$1,000,000 a year. The business of signboard advertising has grown to its present extensive proportions without adequate public regulation. Of 500 signs inspected by the Commissioner's office, 412 violated the Building Code in one or more particulars. After speaking of the sanitary and fire-preventive considerations that demand strict regulation, the report adds: "The city of New York annually spends millions of dollars on public buildings, monuments and parks. The uncontrolled erection of large and blatant billboards in juxtaposition to these studied architectural effects is not only an inconsistent public policy but is unquestionably an injury to the general welfare." It is interesting to note that a heavy stamp tax is about to be levied in France on all signboards that can be seen from any public path, road or railway. Particulars relating to this tax may be found in the U. S. Consular and Trade Reports for August 3.



**\*\*Henry H. Hornbostel**, is the consulting architect for the masonry towers of Hell Gate Bridge, which the New York Connecting Railroad Company has commenced to build over the East River. **Gustav Lindenbach** is consulting chief engineer and architect.

**\*\*Woodruff Leeming**, president of the Brooklyn Chapter of the American Institute of Architects, has made preliminary sketches for the memorial institute and arcades to be erected at Plymouth Church in honor of Henry Ward Beecher, by the Arbuckle estate, at a cost of \$100,000.

**\*\*National Hardware Association** will meet at Atlantic City, October 23 to 25, at Hotels Dennis and Shelburn. **T. James Fernley**, 505 Arch street, Philadelphia, is the secretary. The National Hardware Manufacturers' Association will meet at the same time and place.

**\*\*October 9** in New York was Fire Prevention Day. The governor "earnestly recommends that people observe it each year by a general cleaning up and removal of all rubbish, trash and waste, and a setting of their heating apparatus and chimneys in proper condition for winter use." Sounds paternalizing, but is none the less a good idea.

**\*\*Berlin** has a new toy in the first apartment hotel built on what the owners conceive to be American lines. It is situated on the Kurfurstendamm, a location corresponding geographically to Central Park West in New York. The originators of the enterprise, thinking to give it an unmistakable trans-Atlantic character, named the hotel the Boarding Palace, much to the disgust of the ultra-patriotic German press, which finds it trasonable to the German language to erect concerns all over the fatherland bearing such names as "Piccadilly," "Delmonico," "Astoria," "Carlton," "Moulin Rouge," and "Palais de Danse."

The Boarding palace, which is an entirely new department in German hotel life, will cater particularly to the patronage of German families and bachelors who do not want to keep house or live in a pension, also Americans who come to Berlin for protracted periods.

It is a gigantic structure, covering a full city block, and, although only the statutory five stories high, contains 600 rooms with baths. People are flocking to its big restaurants, cafe, American bars, and grill rooms these days and nights to see the town's newest sensation.

**\*\*Thomas C. Perkins**, architect, announces that his offices are now located at 103 Park avenue, corner Forty-first street, New York.

**\*\*The S. H. Pomeroy Company, Inc.**, manufacturers of fireproof windows, will move to their new factory, 282 to 296 East One Hundred and Thirty-fourth street, New York City, about December 1.

**\*\*Reginald P. Bolton**, consulting engineer, is making a western business trip. Last Saturday Mr. Bolton read an historical sketch of Washington Heights at the dedication of Is-ham Park.

### BEAUTIFUL VESTIBULES.

Some particularly beautiful vestibules are being paved, lined and ceiled or vaulted with vari-colored brick, and an especially interesting example is found in New York, where the beauty of a wonderful facade of brick in mediaeval color effect is repeated and emphasized in the treatment of a large and deep vestibule or hall where the idea of inexpensive richness worked out in brick is developed in a most wonderful way. Brick in many forms is used for flooring terraces, verandas and pergolas, and it is often used for halls, libraries or dining room, or in other rooms where a solid and dignified effect is desirable, but even more successful is its use for the facing and lining of fireplaces and even for building mantels. There are perhaps no more successful mantels being made than those which are constructed wholly of brick, especially made in suitable design, size and shape, and merely set in place by the workman. The corbels or brackets which support the shelf are of brick, and the shelf is frequently one very large thin brick.—Homes and Gardens.

### PADDING A SPECIFICATION.

It is said that people like to be fooled, and one sometimes sees specifications for interior wiring which seem to betray a marked tendency to take advantage of this alleged weakness. On what other grounds, for example, than an unwarranted desire to give it an imposing appearance in the eyes of the uninitiated could the rather frequent practice of inserting unnecessary details in a specification be explained? It is common knowledge among electricians, of course, that most of the materials of inside electrical construction are pretty thoroughly standardized, and that in drawing a specification it is generally sufficient to insist on the use of standard, approved supplies. And yet some specifications are made to contain an elaborate and tedious enumeration of the qualities of materials suitable for wiring, with more or less detailed descriptions of the tests which they should be able to withstand. The National Electrical Code covers such matters as this so completely that portions of a specification of the kind in question are very liable to look like practically literal reproductions of parts in the code itself.

While there is nothing particularly culpable in drawing a specification in the manner referred to above, it does lead one to feel that a conscious and deliberate effort has been made to impress the customer especially with the skill of the man drawing it. If some competitor happens to call the customer's attention to this, the effect actually produced is liable to be just the opposite of the effect apparently sought.—"Electrical Review."

You can run a ten-line "want" ad in the Builders' Guide for a dollar and a half, and you couldn't reach as many builders, architects and people interested in associated interests if you spent fifteen dollars in a daily.

### WHAT A HORSE POWER MEANS.

Very few people realize just what a horse power, as expressed in engineering terms, really means. When it is stated that the world's largest Curtis steam turbine, which drives an electric generator in the Waterside station, New York, develops 30,000 horse power, the meaning is vague and incomprehensible. Imagine this term reduced to man power, and almost every one can grasp its full meaning. If it takes twelve men to equal one horse power, then this mammoth turbine engine develops twelve times 30,000, or the working energy of 360,000 men. If these men worked in eight-hour shifts each day, it would require the services of 1,080,000 men every twenty-four hours to produce the working energy of this single turbine unit.

### TO MAKE BLUE PRINTS BLACK AND WHITE.

Although it seldom becomes necessary to make additional prints from a blue print, it is possible to do so provided the original print first is converted into one in which the lines are black and the background white. The operation to change the color is neither difficult nor does it require a great amount of time. It is merely necessary that the print be immersed in a solution formed of  $\frac{1}{4}$  ounce of ordinary borax dissolved in 6 ounces of cold water. When the print has blackened, it should be removed and washed thoroughly and placed in a solution composed of  $\frac{1}{4}$  ounce of gallic acid,  $\frac{1}{4}$  ounce of tannic acid and 8 ounces of cold water. This will intensify the color and make the print permanent.

While it pays to think, it is thought in action that puts money in the bank.—Exchange.

## PATENTS

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Amount of transfers .....	\$913,830.00
Cash consideration .....	323,830.00
Mortgage consideration .....	590,000.00
Ground rent consideration .....	4,824.50
Which on a 6 per cent. basis amounts to .....	80,408.34



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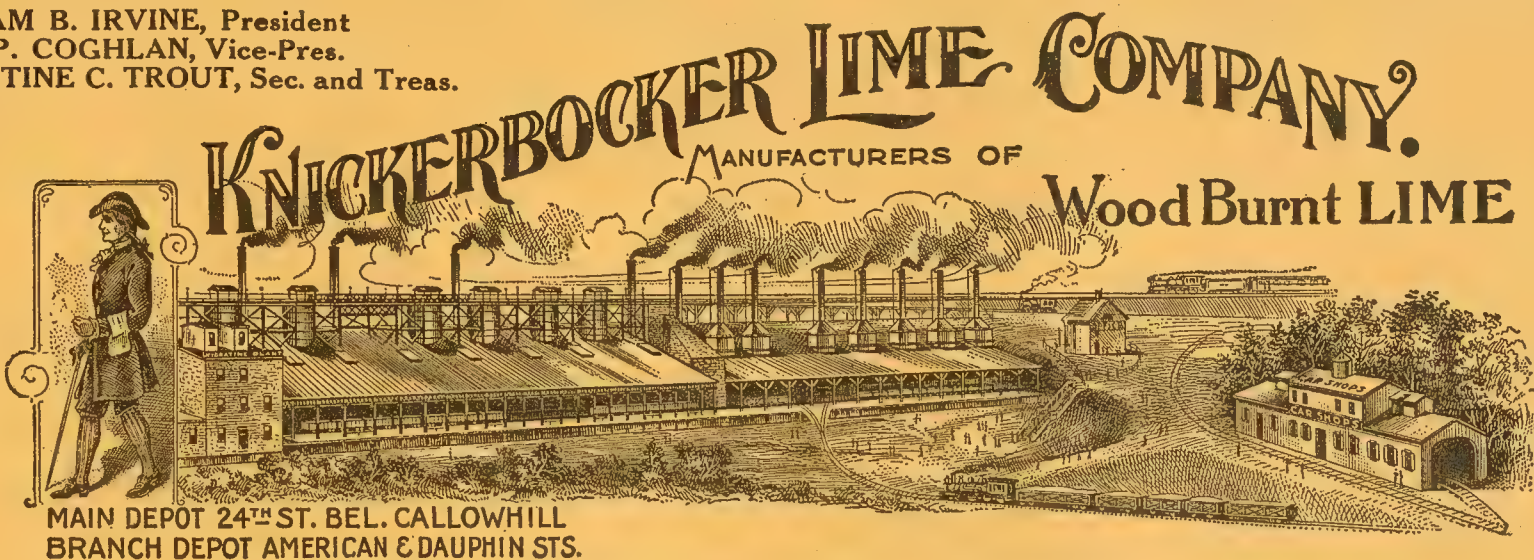
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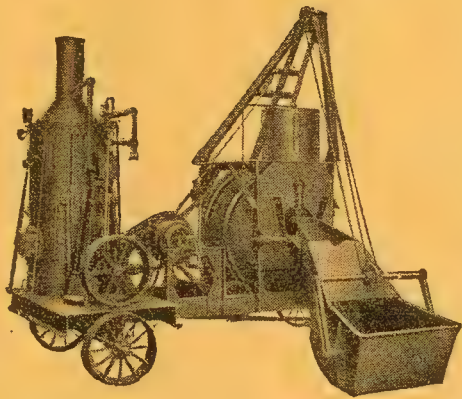
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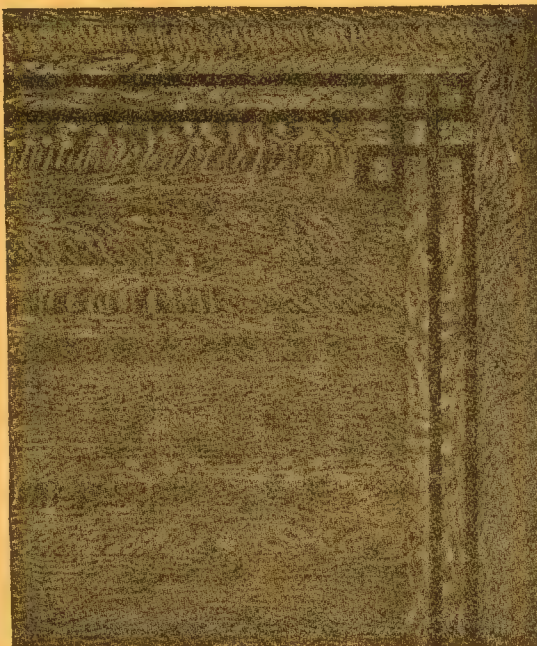
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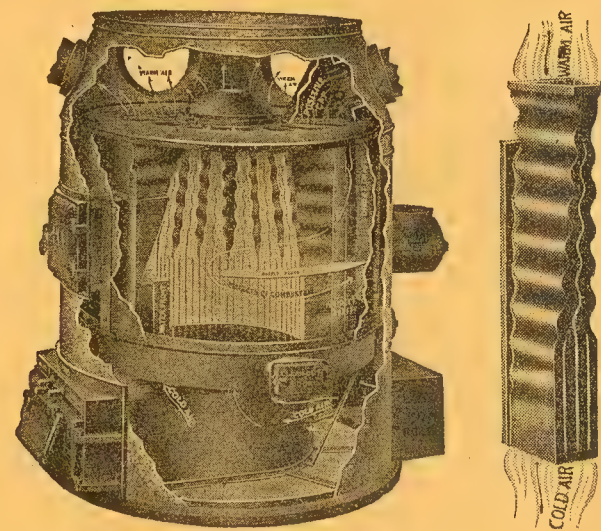
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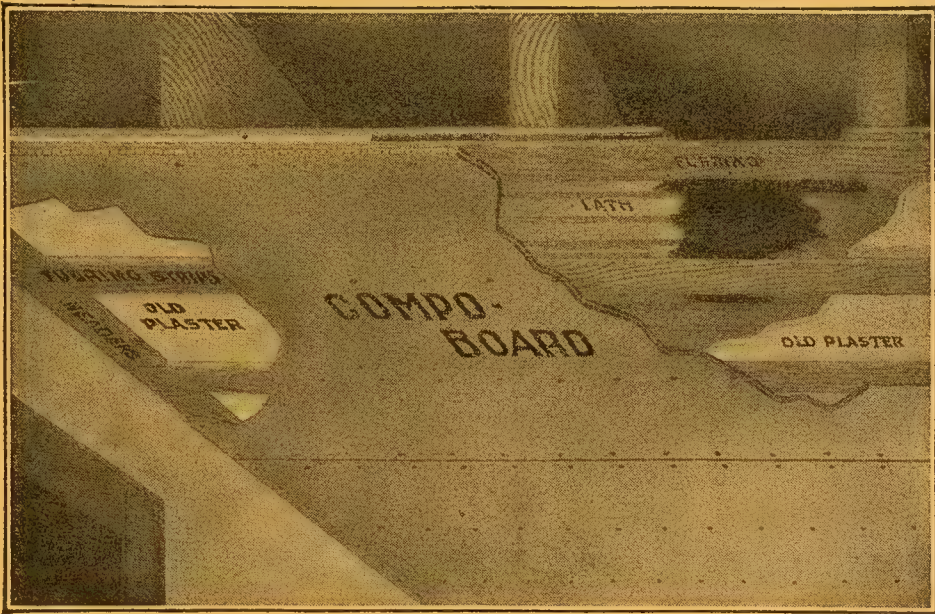


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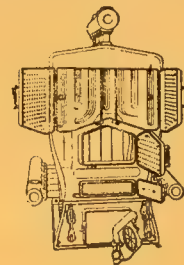
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# Builders' Guide

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

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## Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Apartment House**, 1722 Vine street. Architect, M. H. Dickinson, 1524 Chestnut st. Owner, Clarence P. Wynne, Thirteenth and Walnut streets. Brick, three stories, 20x140 feet, slag roof, electric light, steam heat. Plans completed. Owner will take bids.

**Building**, Girard Building. Architect, J. T. Windrim, Twelfth and Chestnut streets. Owner, Estate of Stephen Girard, St. Girard Building. Marble and brick, electric light, slag roof, steam heat. Plans completed. Architects will take bids in about ten days.

**Apartment House (alt. and add.)**, 4041 Spring Garden streets. Architects, Ballinger & Perot, 1211 Arch street. Owners, C. A. Mory, 424 North Fortieth street. Brick, three stories, electric light, steam heat, slag roof. Architects taking bids due October 25. (Note change in time.) B. Ketcham's Sons, 1029 Brown street; A. Whitehead, 1604 Latimer street; William R. Brown, 2145 East Fifth street; H. H. Burrell, 1204 Chancellor street; A. R. Raff, 1635 Thompson street, are figuring.

**Bank Building, Lexington, Ky.** Architects, McKim, Mead & White, 150 Fifth avenue, New York City. Owners, Fayette Bank Building, Lexington, Ky. Brick and terra cotta, sixteen stories, 59x77 feet, tile roof, electric light, steam heat, elevators. Architects taking bids November 2. Metzger & Wells, Heed Building, and Charles McCaul Company, Tenth and Sansom streets, are figuring.

**Gargage (alt. and add.)**, Twenty-first and Ludlow streets. Cost, \$25,000. Architect, W. C. Prichett, 417 Walnut street. Owner, J. J. Short & Bros., Twenty-first and Chestnut sts. Brick and limestone, four stories, 65x185 feet, steam heat, electric light, elevators. Architects taking bids due October 28. Metzger & Wells, Heed Building; Smith-Hardican Company, 1606 Cherry street; A. R. Raff, 1635 Thompson street; H. L. Brown, 1714 Sansom street; H. E. Grau Company, 1707 Sansom street; M. L. Conneen, 315 South Twentieth street; George & Borst, 277 South Eleventh street, are figuring.

**Residence**, Hagerstown, Md. Architects, Duhring, Okie & Zeighler, Bailey Building. Owner, Dr. W. Preston Miller, Hagerstown, Md. Stone, two and one-half stories, 30x70 feet, shingle roof, electric light, hot air heat, hardwood floors. Plans in progress.

**Residences (15)**, Tioga, west of H street. Cost, \$40,000. Architects, Durham Bros., Heed Building. Owner, James Athur, 3407 Hurley

street. Brick, two stories. Owner taking sub-bids.

**Stores and Apartments (alt.)**, 2102-04 Ridge avenue. Architect's private plans. Owner, J. B. Cornell, 2110 Ridge avenue. Brick, three stories. Owner has received bids.

**Theatre and Two Stores**, Cambridge, Md. Architects, Anderson & Haupt, Drexel Building. Owners, Philadelphia Film Exchange, 121 North Ninth street. Brick, one story, 90x180 feet, slag roof, electric light, steam heat. Architect taking bids due October 24. The following are figuring: H. L. Brown, 1714 Sansom street; Stewart Bros., 2526 North Orkney street; Schneider & Dunck, Baltimore, Md.

**Building (alt. and add.)**, 47 North Third street. Architects, Sauer & Hahn, 1112 Chestnut street. Owners, Estate of Samuel Meyer, care of Fidelity Trust Company, 325 Chestnut street. Brick, five stories, steam heat, electric light, slag roof. Architects have received revised bids.

**Building (alt. and add.)**, Eleventh and Race streets. Architects, Ballinger & Perrott, 1211 Arch street. Owners, Whiting-Patterson Company, 1023 Vine street. Brick and wood construction, slag roof, electric light, steam heat. Architects have received bids.

**Sunday School**, Twenty-second and Snyder avenue. Architects, W. J. Moore, 2302 Ellsworth street. Owner, St. Andrew's Reformed Church. Stone, one story, 66x51 feet, slag roof, electric light. Architect has received bids.

**Hospital**, Chestnut Hill, Pa. Architects, Duhring, Okie & Zeighler, Bailey Building. Owners, Chestnut Hill Hospital for Consumptives. Plaster and hollow tile, two stories, 32x52 feet, slate roof, electric light, steam heat. Architects taking bids due October 25. The following are figuring: R. C. Ballinger & Co., 218 North Thirteenth street; F. B. Davis, 35 South Seventeenth street; F. T. Mercer & Co., 1706 Delancey street; James Johnston, 1721 Ludlow street; W. J. Gruhler, 219 High street; F. Elvidge & Sons, 5122 Germantown avenue; Pringle Borthwick, 8018 Germantown avenue; W. J. Stevens, Wyncote, Pa.

**Y. M. C. A.**, Pottstown, Pa. Cost, \$75,000. Architects, Lashman & Murphy, Witherspoon Building. Owners, Y. M. C. A. of Pottstown, Pa. Brick, limestone and terra cotta, four stories, 79x150 feet, slag roof, electric light, steam heat. Revised plans in progress. Ar-

chitects will be ready for revised bids in a few days.

**Residence (alt. and add.)**, Cranford, N. J. Architects, Oakley & Son, Elizabeth, N. J. Owners, T. A. Sperry, Cranford, N. J. Brick and frame, three stories, tin and slag roof, electric light, hardwood floors (heat reserved). Architects taking bids due October 23. Metzger & Wells, Heed Building, is figuring. (Note correction in location.)

**Residence**, Germantown, Pa. Architects, Lachman & Murphy, Witherspoon Building. Owner, Frank Busser, care of architect. Stone two and one-half stories, 30x50 feet, slate roof, vapor vacuum heat (hardwood floors and electric light reserved by architect). Architects taking bids due October 28. The following are figuring: W. C. Wright, 22 Harvey street; McClintock & Weaver, 24 Phil-Elena street; G. C. Fossel, 128 East Cheltenham avenue; C. West & Co., Harrison and Horrocks streets; M. S. Oberholtzer, 5524 Pulaski avenue.

**Residence and Stable**, Rydal, Pa. Architects, Zantzinger, Borie & Medary, Fifteenth and Walnut streets. Owner, W. H. Weber, Rydal, Pa. Stone, three stories, 30x64 feet, hardwood floor (hot water heat reserved), electric light, shingle roof. Architects taking bids due October 23. The following are figuring: William R. Dougherty, 1608 Sansom street; W. J. Stevens, Wyncote, Pa.; M. Hauser, Glenside, Pa.; E. D. Leber, Abington, Pa.; Henry Specht, Willow Grove, Pa.; F. W. Allison & Co., 1710 Rittenhouse street; James B. Flounders, 1329 Arch street.

**Residence (alt. and add.)**, Oak Lane, Pa. Architects, Furness & Evans, Fourth and Chestnut streets. Owner, Eliza J. H. Mohr, Oak Lane, Pa. Stone, two and one-half stories, slate roof, electric light. Architects have received bids.

**Cutodian Building**, Skillman, N. J. Architects, Department of Charities and Correction, Trenton, N. J. Owners, State of New Jersey. Brick, fireproof, two stories, 40x118 feet, steam heat, electric light, slate roof. Owners taking bids due October 24.

**Pavilion**, Byberry Farms, Pa. Architect, P. H. Johnson, Land Title Building. Owners, City of Philadelphia, Department of Health and Charities. Frame, one and two stories, 35x180 feet, steam heat, electric light, wood and asbestos shingle roof. Owner taking bids due October 28, at 12 o'clock. The following are figuring: Doyle & Co., 1519 Sansom street; J. W. Emery, 1524 Sansom street; Wayne



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**Theatre** (alt. and add.), Twenty-sixth and Girard avenue. Cost, \$50,000. Architect, W. H. Hoffman, Bingham House, Eleventh and Market streets. Owners, Nixon & Zimmerman, Eleventh and Chestnut streets. Brick, fireproof, one story, 110x100 feet, electric light, steam heat, slag roof. Architect has received bids.

**Factory** (add.), Camden, N. J. Architect and engineer, J. O. Clark, Franklin Building. Owners, MacAndrews & Forbes Company, Camden, N. J. Brick and steel, one story, 63x84 feet, and 65x46 feet, slag roof. Consists of a colling house and case house. Engineer has received bids.

**High School**, Meriden, Conn. Architects, Guilbert & Betelle, 62 West Forty-fifth street, New York City. Owners, Board of Education, Meriden, Conn. Brick, fireproof, two stories, 137x174 feet, slag roof, electric light, steam heat, enamel brick. Owners taking bids due November 1. The following are figuring: A. Bottoms & Sons Company, 41 South Fifteenth street.

**Apartment House** (alt. and add.), 4041 Spring Garden street. Architects, Ballinger & Perrot, 1211 Arch street. Owner, C. A. Morey, 424 North Fortieth street. Brick, three stories, electric light, steam heat, slag roof. Architects have received bids.

**Stores and Apartments**, St. Charles Place and Delaware avenue, Atlantic City, N. J. Architects, Magaziner & Potter, 135 South Fifth street. Owners, Seltzer Bros., Atlantic City, N. J. Brick, three stories, slag roof, electric light, hot water heat. Architects have received revised bids.

**Y. M. C. A.**, Seventeenth and Christian sts. Cost, \$100,000. Architect, H. Trumbauer, Land Title Building. Owners, Y. M. C. A. Colored Branch, 1726 Christian street. Brick, four stories, 71x130 feet, electric light, steam heat, slag roof. Architect will take bids in about ten days.

**Warehouse**, Twenty-first and Arch streets. Cost, \$100,000. Architects, Hayes, Roberts & Rehfsuss (Associates), 1524 Chestnut street. Owner, William H. Maule, 1707 Filbert street. Brick, fireproof, eight stories, 60x108 feet, electric light, steam heat, slag roof, elevators. Architects taking bids due October 26. The following are figuring: Hennibique Construction Company, Real Estate Building; Roydhouse-Arey Company, Fidelity Building; John R. Wiggins, Heed Building; James G. Doak, Crozer Building; Turner Forman Steel Concrete Company, 1314 Arch street; J. Sims Wilson, 1125 Brown street; Stacey Reeves & Son, 1611 Filbert street; Cramp & Co., Denckla Building; William R. Dougherty, 1608 Sansom street; Irwin & Leighton, 126 North Twelfth street; A. Whitehead, 1624 Latimer street; Charles McCaul Company, Tenth and Sansom streets; H. E. Baton, Tenth and Sansom streets; H. B. Ketcham's Sons, 1029 Brown street; George & Borst, 277 South Eleventh street.

**Residence**, Plaza avenue, Atlantic City, N. J. Architects, Druckenmiller, Stackhouse & Williams, Land Title Building. Owner, M. W. Newton, Eighth and Chestnut streets. Plaster, two and three stories, 37x70 feet, tile roof, electric light, hot air heat, hardwood floors. Architects taking bids due October 25. The following are figuring: W. S. Higbee, P. G. Hannum and Hampton Bros., all of Atlantic City, N. J., and A. Whitehead, 1624 Latimer street, Philadelphia.

**Motor House**, Wynnewood, Pa. Architects, Savery, Scheetz & Savery, Stephen Girard Building. Owner, Norman Contrell, 6303 Ridge avenue. Stone, two stories, slate roof, electric light, hot water heat. Architects have received bids.

**Residence**, Haverford, Pa. Cost, \$25,000.

Architect, Horace Wells Sellers, Stephen Girard Building. Owner, Boyd Lee Spahr, Land Title Building. Stone and timber, three stories. Plans about completed. Architect will be ready for bids in about one week.

**Theatre**, Northsaet corner 60th and Locust streets. Cost, \$75,000. Architect, Albert E. Westover, Keith Building. Owner, Garden Amusement Company, care of Architect. Brick, terra cotta and steel, fireproof, two stories, 100x190 feet. Plans will soon be started.

**Passenger Station**, Fort Wayne, Ind. Architects, Price & McLanahan, Sixteenth and Walnut streets. Owners, Pennsylvania Railroad Company. Stone and brick, two stories, 60x90 feet, electric light, steam heat, slag roof. Owner taking bids due November 5. Roydhouse-Arey Company, Fidelity Building, are figuring.

**Y. M. C. A.**, Pottstown, Pa. Cost, \$75,000. Architects, Lachman & Murphy, Witherspoon Building. Owners, Y. M. C. A. of Pottstown, Pa. Brick and terra cotta, fireproof, four stories, 79x150 feet, slag roof, electric light, steam heat. Architects taking revised bids due October 25. The following are figuring: Roydhouse-Arey Company, Fidelity Building; Metzger & Wells, Heed Building; A. Bottoms & Sons Company, 41 South Fifteenth street; Chas. McCaul Company, Tenth and Sansom streets; J. E. & A. L. Pennock, Land Title Building; G. W. Beard Construction Company and L. H. Focht, both of Reading; and H. H. Kaiser, J. L. Halteman and W. H. Wiand, of Pottstown, Pa.

**Pavilion**, Byberry Farms, Pa. Architect, P. H. Johnson, Land Title Building. Owners, City of Philadelphia, Department of Health and Charities. Frame, one and two stories, 35x180 feet, steam heat, electric light, wood and asbestos shingle roof. Owner taking bids due October 28 at 12 o'clock. The following are figuring: Doyle & Co., 1519 Sansom street; J. W. Emery, 1524 Sansom street; Mitchell Brothers, 2125 Race street; M. P. Wells, Witherspoon Building; W. E. Dotts, 148 North Second street.

**Garage**, Broad and Rockland streets. Architect, Wm. Allen Dunn, 3435 Walnut street. Owners, Home Service Garage, care of Mr. Henry, of the Wetherill Engine Company, of Chester, Pa. Brick, one story, 55x114 feet, slag roof, electric light, (heat, reserved). Owners taking bids due October 26. The following are figuring: Chas. McCaul Company, Tenth and Sansom streets; Roydhouse-Arey Company, Fidelity Building.

**Brew House** (alt. and add.), Thirty-first and Thompson streets. Architect, H. W. Sellers, Stephen Girard Building. Owners, J. & P. Baltz Brewing Company, on premises. Brick, slate and slag roof, electric light. Architect taking bids due October 25. The following are figuring: J. Myers & Sons, Witherspoon Building; P. Haibach Construction Company, Twenty-sixth and Thompson streets; H. Voigt, 1251 North Twenty-eighth street; E. E. Hollenback, Fifteenth and Race streets.

**Theatre**, Providence, R. I. Cost, \$100,000. Architect, Albert E. Westover, Keith Building. Owner, B. F. Keith, New York City. Brick, stone terra cotta and steel, fireproof, two stories, slag roof, steam heating, electric lighting. Plans about completed. Architect will take bids in about two weeks.

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## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Fire House**, Lebanon, Pa. Architects, Hauer & Mowere, 3110 Columbia avenue. Owner, City of Lebanon, Pa. Brick and stone, two stories, 30x58 feet. Contract awarded to L. L. Kreider & Co., 163 North Queen street, Lancaster avenue.

**Fire House**, Lebanon, Pa. Architects, Hauer & Mowere, 3110 Columbia avenue. Owners, City of Lebanon, Pa. Brick and stone, two stories, 50x67 feet. Contract awarded to Harry Buffamoyer, Lebanon, Pa.

**Warehouse (alt. and add.)**, Twenty-first and Washington avenue. Cost, \$9,000. Architect, W. G. Haddock, Thirteenth and Market streets. Owner, John Wanamaker, Thirteenth and Market streets. Brick, two stories, 64x71 feet, slag roof, electric light. Contract awarded to William Steele & Sons, 1600 Arch street.

**Residence (alt. and add.)**, Rose Tree, Pa. Architects, Henock & Hokanson, Bailey Building. Owner, Charles Leedom, Rose Tree, Pa. Plaster, two and one-half stories, slate roof, electric light. Contract awarded to J. B. Flounders, 1329 Arch street.

**Stable (alt. and add.)**, Fifty-fourth and Lancaster avenue. Cost, \$6,000. Architect, W. D. Haddock, Thirteenth and Market sts. Owner, John Wanamaker, Thirteenth and Market streets. Brick, one story, slag roof. Contract awarded to William Steele & Sons, 1600 Arch street.

**Building (alt. and add.)**, 512 South Second street. Architects, Peuckert & Wunder, 310 Chestnut street. Owners, Messrs. Cohen & Sons, 512 South Second street. Brick, four stories, slag roof, electric light, steam heat. Contract awarded to N. C. Dahl, 213 South Eighth street.

**Residence**, Secane, Pa. Architect, C. Adrian Casner, Northeast corner Tenth and Sansom streets. Owner, James E. Wheat, care of architect. Plaster, two and one-half stories, 26x35 feet, shingle roof, electric light, hot water heat. Contract awarded to Thomas F. Manley, Clifton Heights, Pa.

**Residence (alt. and add.)**, Germantown, Philadelphia. Architects, Duhring, Okie & Zeigler, Bailey Building. Owners, T. Lewis

Thomas, Germantown, Philadelphia. Frame, two and one-half stories, shingle roof, hardwood floors, electric light. Contract awarded to W. J. Stevens, Wyncote, Pa.

**Store (alt. and add.)**, 36 North Ninth street. Architects, Anderson & Haupt, Drexel Building. Owner, Solomon Pintzuk, 21 North Ninth street. Brick and steel, electric light, steam heat, elevators. Contract awarded to M. Kirschner, 421 Snyder avenue.

**Residence**, Paoli, Cost, \$10,000. Architects, Karcher & Smith, Crozer Building. Owner, B. Homer LeBoutillier, Paoli, Pa. Stone, one and one-half stories, 34x100 feet, shingle roof, vapor vacuum heat, electric light. Contract awarded to J. J. Murphy, 610 North Twenty-first street.

**Residence (alt. and add.)**, 331 West Johnson street, Germantown. Cost, \$1,500. Architect's private plans. Owner, E. S. Jackson, 2019 Arch street. Stone, two and one-half stories, electric light. Contract awarded to F. A. Havens, 845 North Nineteenth street.

**Residence (alt. and add.)**, Greene and Johnson streets. Cost, \$2,500. Architect's private plans. Owner, Arthur Jackson, care of builder. Stone, two and one-half stories, electric light. Contract awarded to F. A. Havens, 845 North Nineteenth street.

**Bank (remodeling)**, Second and Market streets, Camden N. J. Cost \$40,000. Architects, Seymour & Paul A. Davis, 1713 Sansom street. Owners, National State Bank, of Camden, N. J., on premises. Brick, granite, two stories, steam heat, electric light, tin roof. Contract awarded to Stacey Reeves & Sons, 1609 Filbert street.

**Market House (alt. and add.)**, Twenty-ninth and Market streets. Architects, Private plans. Owners, Pennsylvania Cold Storage & Market. Brick and concrete, three stories, slate roof, electric light. Contract awarded to Stacey Reeves & Sons, 1609 Filbert street.

**Post Office**, 5226 Market street. Cost, \$10,500. Architects, Sauer & Hahn, 1112 Chestnut street. Owner, Penrose Fleisher, 1512 Chestnut street. Brick, one story, 25x214 feet, slag roof, electric light, steam heat. Contract awarded to F. Roe Searing, Perry Building.

15x27 feet, 203 to 217 East Ontario street.

P. F. Glynn (O), 28 Highland avenue. J. D. Maguire (C), Wayne, Pa. Cost, \$5,200. Garage, stone, two stories, 37x76 feet. 27 Highland avenue.

Jordan & Cullen (O), 3219 Chestnut street. Cost, \$2,400. Two dwellings, brick, two stories, 25x100 feet, Seventy-ninth and Harley avenue.

Dr. T. Embery (O), 4662 Frankford avenue. T. Duff (C), 3648 Frankford avenue. Cost, \$16,800. Twelve dwellings, brick, two stories, 15x28 feet, Large and Orthodox streets.

Frank Williams (O), 1432 Wolf street. Cost, \$2,000. One dwelling, brick, two stories, 14x41 feet, Fifty-seventh and Appletree streets. Cost, \$2,000. One dwelling. Cost, \$85,000. Five dwellings.

J. N. Mitchell (O), 4 South Faragut street. Cost, \$6,000. Two dwellings, brick, two stories, 15x65 feet, Farragut and Ludlow streets. Cost, \$4,000. One dwelling.

Philadelphia Rapid Transit Company (O), Eighth and Dauphin streets. Cost, \$40,000. Office building, brick, two stories, 56x117 feet, Tenth and Luzerne streets.

J. H. Propert (O), Richmond and Erie avenue. Cost, \$1,500. Dwelling, brick, two stories, 16x30 feet, 2853 Victoria street.

J. H. Dagney (O), 208 Church lane. Cost, \$1,500. One dwelling, brick, two stories, 15x36 feet, Twentieth and Church Lane.

Angello Pasquarello (O), 4908 Wayne avenue. Cost, \$3,000. Stable, brick, two stories, 59x60 feet, 4910 Wayne avenue.

A. L. Tourison (O), 7014 Boyer street. Cost, \$11,000. Dwelling, stone, three stories, 29x49 feet, Clearview and Sedgwick streets.

Joseph Bochman (O), Johnson street. W. G. Krewson (C), Forest avenue and Johnson street. Cost, \$8,000. Store and dwelling, brick, one story, 16x30 feet, Limekiln Pike and Johnson street.

A. H. Foster (O), 2998 Edgemont street. A. Janisyski (C), 2711 Allegheny avenue. Cost, \$2,500. Store and dwelling, brick, two stories, 15x44 feet, Chatam and Clearfield streets.

Pennsylvania Salt Manufacturing Company (O), Greenwich Point. Cost, \$5,000. Building, brick, two stories, 118x68 feet.

Hellwig Silk Dyeing Company (O), 462 North Ninth street. B. Ketcham's Sons (C), 1029 Brown street. Cost, \$7,200. Tank house, brick, four stories, 15x45 feet.

H. C. Aberle & Co. (O), Third and Cumberland streets. William Steele & Sons (C), Arch streets. Cost, \$120,000. Factory, brick, four stories, 195x89 feet, Clearfield and A streets. Cost, \$15,000. Boiler house.

George W. Blabon Company (O), Nicetown, Pa. William Steele & Sons, 1600 Arch street. Cost, \$40,000. Factory, brick, five stories, 43x96 feet, Blabon road and Pennsylvania Railroad.

## Alterations and Additions

Andrew Mills Company (O), Adams and Leiper streets. G. H. Thirsk (C), Franklin and Orthodox streets. Cost, \$700. Boiler house.

S. A. Gallagher (O), 3913 Spruce street. George & Borst (C), 277 South Eleventh street. Cost, \$6,089. Residence, 3913 Spruce street.

L. H. Weatherby (O), 3919 Chestnut street. The Makin-Heating Company (C), 6 North Eighteenth street. Cost, \$2,000. Residence.

Charles Lipshutz (O), Marshall and Poplar streets. Seedman & Getz (C), 1312 North Sixth street. Cost, \$1,500. Dwelling, 1209 North Seventh street.

Continued on page 700.)

## Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

H. B. Shoemaker (O), 24 South Seventh street. I. T. Shoemaker (C), Lincoln Drive. Cost, \$9,000. One dwelling, stone, three stories, 40x50 feet.

H. McCosker (O), 660 North Thirty-ninth street. B. W. Glover (C), 531 North Thirty-first street. Cost, \$3,100. One dwelling, brick,

two stories, 17x75 feet, 5527 Walnut street.

Cheltenham Avenue M. E. Church (O), Cheltenham and Stenton road. A. Hamilton (C), 2144 Cheltenham avenue. Cost, \$5,000. Church, brick and stone, three stories, 17x56 feet.

J. W. Mortimer (O), 3024 E street. Cost, \$12,000. Eight dwellings, brick, two stories,



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## THE ELUSIVE SIMPLICITY OF COLONIAL DECORATION

Some Examples of Pure Colonial Interiors by Philadelphia Architects.

By C. MATLACK PRICE.

To impart in an architectural rendering the true spirit of a given style is the only justification that can be found for its use. If, in designing, we cannot be successfully original, let us by all means be accurate. Exactly how far accuracy in a present-day adaptation of a historic style may go is a question governed largely by conditions, but even if the rendering is not exact, any differences which make themselves felt should be differences for the better. Unfortunately, however, such is rarely the case, and those who observe the varied architectural performances of to-day, too often find reason to compare them unfavorably with the work of the period on which they are based. If a designer cannot improve upon the taste of the Brothers Adam, let him put himself diligently to the task of equaling it. If he cannot do this, it seems unfortunate that he should abase it. Certain styles are more readily adapted to modern requirements than others; the salient features of some are more easily transcribed than others, and always those styles which are apparently most simple are actually the most difficult to grasp.

With the exception of the Adam style it is doubtful if any is more elusive to the modern designer than our own "Georgian Colonial," which has been widely misunderstood and mishandled for many years.

Possibly no group of architects in this country has so thoroughly grasped the spirit of the Colonial style of architecture as the group in Philadelphia, whence have come of late years developments of the Revolutionary farmhouse as clever as they are excellent. Certain individuals and firms in New York have been successful in their studies in the style, but their work has lacked the logical consistency and the pleasant uniformity that characterize the Pennsylvania work.

Messrs. Mellor & Meigs, Duhring, Okie & Ziegler, Thomas, Churchman & Molitor, Savery, Scheetz & Savery, Bailey & Bassett and several others have presented the "Colonial" type of architecture in a purity of rendering no less pleasing to look at than difficult to effect.

There is a curious combination of formal and informal elements in the old Colonial work which makes a working analysis most difficult. Speaking of interiors, primarily, moldings taken singly were strictly classic,

but in composition were handled with the greatest freedom and variety. Panels were usually deep sunk (an effect admirably attained in the china closet by Duhring, Okie & Ziegler), and classic traditions were followed much more closely in small details than in general relations of parts.

Composition was strongly influenced by the school of Christopher Wren, though the Colonial carpenter-builder played many variations and evolved many schemes which hold a charm to-day unimpaired by time.

That the Colonial builder was by way of being a genius is evidenced by the diverse yet ever consistent renderings which they produced from a common formula. Sources of inspiration were few, and means of study and comparison were proscribed—a condition of affairs which made for consistency and distinct localism. That a desirable amount of variety was attained bears witness to the individual skill of the designers of the period, who never wearied of executing what might otherwise have been a stereotyped style in terms of their own ingenuity and taste. It is only because many latter-day architects have tried to copy Georgian Colonial instead of studying it that the style has often lost much of its original charm. Success in the matter can only come through reapplying and re-living the ideals of the Colonial builders, for nothing in the field of art which is no more than a literal copy can ever attain real or permanent values.

A favorite treatment for the main wall of what constituted the "best room" in the well-to-do farm, was to flank the fireplace with arches, one on each side, and the balance and dignity of the scheme cannot be said to be open to question in any way. The very frankness and simplicity of the composition disarms criticism. It will be seen that Mellor & Meigs have employed this flanking arch arrangement to frame two quaint china closets, while Duhring, Okie & Ziegler have utilized it for doors. In an ancient pre-Revolutionary manor-house in Narragansett the fireplace wall is taken up with the mantel itself, flanked by the two arches, of which one frames the entrance door and the other a beautiful "shell cabinet." The composition is a characteristic one of the style and in using it these Philadelphia architects have



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not deprived it of any of its old-time simplicity and effectiveness.

Another type of interior is shown in the refreshingly simple dining room by Thomas, Churchman & Molitor, where the mantelpiece is the only architectural embellishment, and the rest depends for its charm on the appropriate nature of the furniture, paper and hangings. No style can be more easily overdone by one stroke too many than the Colonial. The china closet by Duhring, Okie & Ziegler is, perhaps, the cleverest piece of work shown, presenting, as it does, an appearance so primitive that it is hard to believe it the work of a contemporary designer. Its every line, its slight deviations from strictly academic character, seem to stamp it with the age of a century or more, and in no detail does it show a jarring note of modernity.

This firm has built a house at Valley Forge,

Pa., which is, perhaps, the most successful rendering of pure Colonial, inside and out, that has ever been effected in modern architecture. And its success, as in any real study of this elusive and difficult style, is dependent rather upon what the designers have not done than what they have done. One touch too many in detailing Colonial work will spoil the whole—one touch too few will leave it with an unstudied appearance.

A far more detailed and comprehensive study of the "Colonial Revival" (which it might well be called) now so earnestly coming into its own in the suburbs of Philadelphia, can serve only to bring out more forcibly that we not only possess a national style of architecture, but possess as well a group of architects who seem frankly proud to bring it to its proper status in America.—Arts and Decorations.

**MODERN FLOOR PLANS**

Considering what a variety of types, in exteriors, have resulted from the fundamental differences of training, of conviction, of habitat, among our architects, it is remarkable that we have, except in large houses, practically only one floor-plan. I refer to that which divides the ground floor space into a large living room, a dining room and service quarters. It is this very prevalence of a single mode which renders a discussion of it important, lest any errors which it may embody be perpetuated in our future building.

The characteristic feature of this arrangement is, of course, the large living room, employed to the exclusion of other apartments, save the two named above. So wide a departure from all that we had been accustomed to, is deserving of far more attention than we have given it. We have emphasized its possibilities for beauty, to be sure, but from any other standpoint it has been practically ignored. Not any problem of classic tradition versus untrammelled inspiration, not the unchanging elements of beauty, are so important as is floor plan.

Size, in exteriors, is not essential to beauty, but within, space is. This it was which brought the living room into being. It was some beauty lover's dream of home. And the best examples of it are worthy of their high origin. It is a pleasure to catalog their charms. Here are space and proportion, beauty of decoration and fitment, a wide and varied expression of life, and not too good to use. An open fire, and sunlight or a charming view, complete an ensemble that is truly

ideal. Important indeed must those things be which supersede it in value.

But this concentration of space into one apartment has resulted in some glaring errors; errors which leave unprovided for some real requirements of body and of soul. Certain of these mistakes are passing fast and will not be considered here: the cramped service quarters, the only front entrance directly into the living room, and the principal stairway, often the only one, in the same apartment. But one yet remains: the non-division of the ground floor space; this has resulted in the crowding of so many activities upstairs, with severe bodily discomfort to women, and in an utter lack of privacy on the principal floor.

Certainly privacy is essential, if we have gone beyond the days when the great hall served for all purposes save cooking and sleeping. Yet in our American homes how this important feature is neglected, chiefly for the sake of display! Instead it should be amply provided for and the love of it carefully nurtured.

To the considerations which follow the answer will be returned that they do not apply to houses occupied by only two adults, and that most houses of this type are built for families of that size. While some of them do not, in such instances, apply with the same force, although others are especially applicable to the family of two, with children; yet now certain facts are brought to light, which are not generally recognized. Our foremost architects doubtless do build this house only

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for the family of two. But all over the country, in the smaller cities and towns, trained architects are building it for larger families, and innumerable contractors are doing the same thing. We are building these houses for small families and large, for rich and poor, those with servants and those without, for those with children and those without, building them for the city and for the country, for summer and for all the year. No single mode could possibly be as generally suitable as we are trying to make this one. Yet this widespread usage indicates absolutely nothing except that the mode is fashionable. That argument never justified anything, for anything may become fashionable. Many people are living in these houses who do not like them. Many others want whatever others have. And there is a large class who never know what they want.

**Cutting Down the Living Room.**

There is but one remedy. There should be an ample room in addition to the living room. The latter should be cut down if cost limits or ground space demand it, otherwise not, for the beauty and dignity of a spacious room are goodly things to live with. How seldom it will need to be reduced is indicated by the frequency of the den. The space wasted thereon, added to from the superabundance of the living room, would produce an ample room, suitable for many purposes. If I have ignored the den, it is because it never fulfilled any of the requirements indicated in this article. It is avowedly for men, and it is women and children who suffer mostly from our lack of privacy. It is often impracticable to convert the den to any other use, on account of its situation and small size. Its frequent presence simply testifies that there was space to spare, and how poorly it was utilized.

This additional downstairs room will vary in character, depending on the personnel and habits of the family. It may be anything from a reception room to a school room. The former is often useful, for instance where there are grown or half-grown children who really make of the living room a common gathering room. Or it may be a music room or a study. Where either of these is needed at all the need is a real one. It may be a morning room or sitting room for women, with desk, lounge, sewing table or chiffonier. What more convenient place from which to



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direct the household machinery during the busy morning hours, or to rest in the afternoon, if the children are noisy above stairs?

I once planned such a room, a large and well-lighted one, as a sitting and sewing room combined, for the busy mother of three children in school. From thence she directed her cook, herself preparing the midday meal, and doing much else, on the three days when the cook was in the laundry, and all the sewing for herself and family, a considerable economy indeed during the years when the nest-egg grew that was to educate the sons in their professions. She has often assured me "the boys" never could have gone to college but for her downstairs room.

But it is, perhaps, the mother of young children to whom this room will be of greatest service, because hers are the greatest of all domestic difficulties. It will probably become a private room for the use of herself and children, and should have an ample closet and a bath room adjoining. Its importance to the young homekeeper is not to be overestimated. It will save her miles of walking and countless climbings of stairs, when she lifts the weight of her body at each step. It will at all times considerably diminish the difficulties, innumerable, which surround the young mother until her children are half-grown. Upon no other class do the peculiar conditions of modern life bear so heavily as upon these young women, of refined tastes and not unlimited means. Our American girls especially are now often of indifferent health and nervous temperament, ill-fitted to contend at once with the complexities and demands of our social system and the uncertain and inferior domestic service which is the sort generally obtainable, except by the wealthy.

Let us have, too, more drawing rooms. That is one of our traditions: the parlor. Yet we have come to look upon them as veritable graves of good cheer. A drawing room may be as homelike and livable as a room may be, and yet retain that aroma of seclusion which distinguishes it from the common gathering or living room. Many pleasures flower in such an atmosphere. It is well to have it within the home. Here one may have a quiet hour with one's piano, or with a favorite book, or dream by the fire. Here, too, one may be alone with a friend.

In such a room, rather than in the atmos-

phere of the too-familiar bed room, one may find that rest and refreshment which come of surroundings other than those in which the daily household routine is lived.

And above all, let us have more libraries, more real book rooms. No other surroundings can be so fascinating and inspiring as these may be. To have them, we must have

more books. Let us have them, and read them. But if you do not read them, have them for the dignity and refinement they will lend your home. And if you care for nothing else they can give, have them as a wall decoration. Not the rarest painting nor finest old tapestry will surpass them.

## THE ARGUMENT FOR STONE

The Accompanying Paper, Reprinted from "Indoors and Out," Discusses in such an Able Manner the Merits of Stone Construction, that we are glad to give it Wider Publicity.

In discussing the stone house we assume that something of other materials has already been learned. Wood, half timbering and rough-cast, have their particular charms, but assuming that the consideration of materials has resulted in a decision for some form of exposed masonry, then the choice usually and naturally rests between brick and stone.

Assuming for the moment these materials to be structurally equal, the first practical question is that of their relative cost. Since this is largely a matter of the facility with which either may be obtained, no general rule may be offered. In localities where stone is plentiful there are apt to be few bricks, and therefore stone would be the cheaper; in clay districts, of course, the reverse would be true; but where brick and stone are equally available, practical builders agree that their cost is so nearly the same that this consideration may be safely omitted. It should be added, however, that where a special "face brick" is employed the cost of walls is much increased, depending in amount upon the style and quality of the brick. Here also lies the temptation to cover a poor wall with a fine-looking shell. With regard to stone, it is supposed "ashlar" masonry is not intended, that is, stone dressed to a smooth face, as commonly seen in Indiana limestone, marble or granite; nor is it supposed these kinds of stone, even if left rough, will be used as facings. Field stone or the product of a quarry near the locality of the house is the kind referred to here.

The house being primarily a place of protection and comfort and secure from the elements, the practical advantages of a given material are of great importance. In choosing between brick and stone it is of interest next to consider which seems structurally superior in durability and weather resisting qualities. In this case the characteristics of local stone and different makes of bricks must be learned, and learned best from the masons and bricklayers who know them by long experience.

It is popularly supposed that the greater thickness of a stone wall insures a warmer house in winter and a cooler one in summer,

but this would be difficult to determine accurately, and is not stated as a fact.

The discussion of the matter in its artistic aspect is the most interesting in a general way, perhaps, since it is this which concerns not only those who live in the house and feel the joy of a personal possession, but likewise all who see it daily and who chance to pass by.

First of all is the idea of harmony, that selection of form and material which brings a house into unison with its surroundings and makes it seem a natural outgrowth and a part of them. Viewed in a broad and general sense, the natural surroundings or the character of the locality in which the house is placed determines its material without especial trouble of selection by the builder. In a rolling, rocky country, where proper building stone may be had from local quarries, stone alone is appropriate. More definitely, in cities, or their more closely built suburbs, where bricks may be obtained easily and formal architecture prevails, brick better expresses surrounding conditions. Where building is more open and the city merges into the country, and especially in the country itself, the freer character of stone and its more rugged expression are more in harmony with the environment.

The difference between brick and stone is aptly expressed in the terms applied to each—stone masonry and brickwork. Masonry is an art—an art highly cultivated in Europe and carried to a point of excellence which has preserved for us, not only the charming character of the simplest villages, but the studied beauty of the mediaeval cathedrals throughout the Old World. An artist or an artisan knows his material and its possibilities and handles it with freedom, skill and naturalness of effect. The worker in brick is more of a mathematician, whose efforts are limited by the definite size and shape of his bricks and the necessity for working height, width and breadth in multiples of approximately two, four and eight—to say nothing of frequent bonds required by the smallness of his units. Therefore the greater freedom of handling rests with stone, and it may be



said that it is better adapted to good work by the average mason than are the niceties of brick by the average bricklayer.

If it be true that the modern tendency is to get farther away from the artificial city surroundings and a little nearer nature out in the country and among the hills, then the argument for harmony in the majority of instances would appear to call for the house of stone.

It is not to be concluded that this material must be used of necessity for the entire wall. The lover of stone need not feel himself obliged to give it up because he cannot afford to use it throughout. On the contrary, it lends itself admirably to combinations with brick, plaster, half timbering, weatherboarding and shingles. There is no reason why its advantages of strength, the pleasantness of deep jambs and reveals and its general artistic effect should not be applied to a first story, while the lighter materials are employed above.

Almost at the other extreme in the matter of treatment is the house built entirely of rounded, irregular stones, with no trimmings at all. In this respect the boulder architecture of New England seems particularly satisfying. Many steep and rocky ledges, surrounded by forest trees and commanding attractive vistas of hillside and valley, offer admirable sites for summer houses. In a situation like this what could be more appropriate, harmonious and natural than a house of boulders? Properly treated it appears as though the walls had scarcely been built, as if the very rocks themselves had grown to the proper form of their own accord. One may easily add a little and still leave his house practically one with nature. Better still, he may cut away and leave the natural rock to form a part of his structure.

Such familiar names as Port Deposit granite, Connecticut brownstone, Indiana limestone, Pennsylvania bluestone, Vermont, Tennessee and Georgia marbles seem to indicate that the eastern part of the United States is fairly supplied with building stone of varied and desirable characteristics. One might perhaps expect to see these sections of the country express in their architecture the wealth of that stone which each possesses. This is scarcely the case. Wood has always been too plentiful, too cheap, and too easy to handle. Moreover, the commercial value of the kinds of stone mentioned has resulted in its being shipped in small quantities to be used elsewhere as trimmings rather than in its native locality as the wall material. It is interesting to note the difference in this respect in England and on the Continent,

where the material of the cathedral, the country house, and even the smaller examples of domestic architecture usually indicates the best stone to be had in that neighborhood. In our own country the quality of the stone is ordinarily indicated by the width and kind of mortar joint, the poorer kinds being laid in deep beds of mortar with a wide joint, and the reverse as the stone increases in beauty. It is to be noticed, however, that certain characteristics of style and treatment prevail, governed by the nature of the product in any given locality. In New England the boulder or field stone is apt to be most in evidence, laid very irregularly or in rubble fashion, seemingly without mortar; farther south, where the quarries supply thin, flat stones, more care is used in laying, and the jointing appears in evidence. The extreme is reached where both stones and joints are covered with whitewash or even thin plaster. The builder will do well to observe and at least partly conform to the style of his particular locality.

The difference in effect, the qualities of texture and the charm of character imparted to a plain wall by the width, style and color of the jointing admit of much interesting study and variety of good results. The stone building is complete in its own material and needs no other to make good its structural defects in the matter of lintels, sills and copings. There is, therefore, less temptation to use the contrasting "trimmings" often applied with worse than questionable taste in connection with brick and now seldom considered.

Where else do the massive chimney, ample for its numerous flues, and the huge fireplace, with its generous hearth, seem so appropriate as in stone? The thickness of stone walls produces for the interior those deep jambs, wide sills and roomy window seats and alcoves so dear to the seeker of interior charm. Nor must we overlook that character of stability and permanence, that added charm of age, which stone assures to him who builds, not only a home for himself, but the most valuable of heirlooms for his descendants.

There is also much to be said in favor of stone with reference to style. If American architecture may be said to have developed a distinguishing characteristic of its own, it is most pleasingly evidenced in our beautiful and appropriate country houses. This is the one feature of American architecture to which even the Paris Ecole des Beaux Arts bows in appreciation and in which the great school acknowledges our architects unsurpassed. The charming and lovable country houses,

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so well adapted to their purpose, yet harking back to no time-worn precedents nor borrowing inappropriate styles,—devoid of style, unless it be American,—show their most characteristic and pleasing masonry examples in the house of stone.

The houses selected give point to my argument. Two are by Mellor and Meigs; the third by Charles K. Cummings. The latter suggests the English cottage type; all are livable interesting examples of the merits of stone as applied to the interesting problem of American home.

### CRACK-PROOF CEMENT.

The report comes that by mixing into cement about 10 per cent. petroleum residuum will make it resist water, and this means that the cement will be crack-proof because water cannot find its way inside of the cement compounds. It is stated that Director Page, of the office of Public Roads of Massachusetts, made the discovery while trying to compound a mixture for roads which would not break up. It is claimed that what they did find was that 10 per cent. of crude oil did not injure cement and sand compounds for building purposes, but on the other hand made it water-proof and therefore crackless. As the cracking of the cement blocks and mass work has been one of the grave objections to some kinds of cement work, it may be that this discovery may be of vast interest to the building world in general.—Ex.

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### BUILDING ACTIVITY.

#### Naturally in a Descending Scale in Most Cities at This Season.

In most cities of the country the month of September is one of the least productive months of the year for new architectural plans. Building energies are then more engaged with the work in hand than in planning new operations. Thus the total estimated cost of the buildings planned last month in 123 cities of the United States reporting to Bradstreet's was but \$55,650,000, as against \$63,817,000 in September a year ago.

There is here shown a decrease of 21.2 per cent. from August and of 12.7 per cent. from

September a year ago, which month, however, showed a gain of 11.6 per cent. over September, 1910. Compared with September last year, it might be noted that fifty-six cities show increases, while sixty-seven show decreases. The showing for the third quarter of the year has suffered from the unfavorable returns made in August and September, and the decrease of 4.3 per cent. from a year ago follows an increase of 11 per cent. over 1910. For the nine months of 1912, however, the total expenditures compare favorably with the best of past years, the gain over 1911 of 4.3 per cent. following a decrease in that year in turn marking a loss of 4.7 per cent. from 1909.—“New York Real Estate Record.”

### ATLAS IN PANAMA.

#### Inside Story of How Big Company Finally Got Into the Competitions.

The cement market has been speculating more or less upon the reason why the Atlas Portland Cement Company's name did not appear in the list of those putting in bids for the million barrels required for the Panama Canal. The final bids when opened fixed the price at 90 cents, mill, and on this basis the Alpha and Lehigh companies in joint action were accorded the lowest bidders. After the bids had been submitted, according to current report, the Atlas people wrote to the Washington authorities stating that they would be willing to supply the extra million barrels at the same price which they are now supplying cement, namely, at about 65 cents, mill. The result is that it now seems prob-

able that the Atlas people will get the contract.

John R. Morton, president of the Atlas Portland Cement Company, has been out of town, and in his absence no one would discuss the matter. It was stated, however, that the Atlas Portland Cement Company has taken considerable pride and has found considerable advertising power in the fact that the great waterway was built entirely of Atlas Portland cement, and in view of the fact that the work is so near completion the officials of the company decided that it was well worth the sacrifice to maintain their strategic advertising position.

In cidentally, the action of the Atlas Portland Cement Company has stirred its rivals to more or less caustic comments, some of whom alleged that the Atlas Company was the first to assume the leadership in the demand for higher mill prices. It seems that financial conditions in the valley made higher prices advisable, and according to certain factors in the trade the action of the Atlas Company is criticised, as is the government for apparently going behind the advertisement for sealed bids and considering a subsequent proposition.—“Real Estate Record.”

### BOOST.

Fall in while the band's a playin'  
Ketch the step and march along—  
'Stead o' pessimistic brayin',  
Jine the hallelujah song!  
Drop yer hammer—do some rootin'—  
Grab a horn, you cuss, and split  
Every echo with yer tootin'—  
Jump the roost  
An' boost  
A bit. —Exchange.

The darkest hour in any man's life is when he sits down to plan how to get money without earning it.—Horace Greely.

You can't hire loyalty; you have got to deserve it.—Ex.

### THERE'S ONLY ONE WAY.

A man may guy,  
And a man may lie,  
And a man may puff and blow;  
But he can't get trade by sitting in the shade,  
Waiting for business to grow.

The finest automobile will not run when the tank is empty, and the finest space can not pull unless it is filled with copy that grips interest.—“Printer's Ink.”

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## A FORERUNNER OF THE FUTURE SUBURB

### The Growing Popular Appreciation of the Picturesque in Domestic Architecture.

It is said that the ingenuity of man is nowhere more manifest than where he devises shelter for his family in the neighborhood of a great city. We, of the metropolis, are to be congratulated in that we are able to share with our families the beauties of the country and yet reach the city in a few minutes, so that to the Gothamite the "suburb idea" is practical, writes Samuel Howe in "Arts and Decorations." The last and most promising solution is that known as the Forest Hill Gardens.

This fascinating suburb is within a few minutes' ride of Thirty-fourth street, and recalls the picturesqueness of the old English villages. In it democratic freedom is preserved. The price of the houses is well within the reach of every one, even those of a very limited income. In no sense is it the transformation of a sociological Arcadia of the older civilizations; rather it is a bold and free acceptance of the requirements of our own country and times. A glance at the little village from the windows of the railroad car is both inviting and stimulating. The layout is direct and the roads so devised that they encircle and radiate. Boulevards are logical, forming part of the general system, and leading to a natural climax. There are a number of greens, isolated gardens and small parks, and the main axis of the planning runs from the entrance court, near the depot, toward a public park, which forms one boundary. Alighting at the depot and descending to the court, the reception is delightful. Terraces, stairways, promenades and arcades, red-roofed houses and quaint pergolas, do not accent the entrance to the palace of an Italian prince, though they certainly look as inviting as if they did. Doubtless that cultivated race first used many of these motifs, but rarely with more grace and purpose. And concrete, if you please. Yes! concrete is the material of the architectural expression. It is not, however, the gray, dead, dull, uninteresting material that we all know, barren of any decorative value, famous for its power to endure and support a great weight. In some insidious manner and by a process not always to be understood, the architect has contrived to make interesting every foot of the surface. Pebbles of various size, color and nature, crushed stone or broken tile add a note of color, sparkle and change of texture. This humanizing of the surface is very delightful and yet in no sense is it an imitation of marble. It is not concrete masquerading under a guise of any description. Especially notable is the pierced Oriental lattice work with which many of the wall spaces and window openings are paneled. The architect has fearlessly employed this form of relief—trellis-like tracery—as an adornment

of the chimney and ventilator caps. Perhaps he thinks we are less romantic and proof against the whispers of the goblins than the dwellers in the sleepy Orient!

The court into which the visitor descends from the electric car has something of the effect of an ancient cathedral city. It is formed by the hotel buildings, wherein the lower part is set out for stores, reached from a long, continuous arcading, cloister fashion. Accenting the center a sunken fountain appears, surrounded by a pavement, by long low seats and half hidden by the shadow from a gnarled apple tree—planted nearby—almost Japanese in its drawing. It is somewhat ingenious in outline and very welcome to the picture. The hotel buildings face three sides of the court and are connected by bridges gracefully arching and inviting, interesting vistas from every viewpoint. About the whole composition there is something big and liberal, well balanced, thoughtfully studied. This is also to be seen in the depot offices, as well as in the octagonal tower which can be seen at a distance. This tower is something of a challenge. Behind it is the civilization and building methods of a thousand years, with all its modernity, its elevators and electric equipment. Its age is visible in the directness of its construction, in the spacing and grouping of its windows, piers and paneling of brick laid in diverse interlacing patterns, in the fearless handling of mass, wherein the daylight is invited from every angle. This breathes no little of the energy and skill of the architect. The outline is not frittered away with infinitesimal projections, tiny moldings or irritating features. Says one: "It is the work of an engineer, momentarily hypnotized into doing something acceptable to the esthetic eye!" Says another: "It is merely a cunning revivification of the mediaeval half-timber construction transformed into modern times and expressed by means of concrete." Another gentleman, pointing to the Oriental domelike canopy which crowns the tower, a somewhat Oriental conception, says: "This is from the office of a man who is making good. By that I mean, that he is achieving distinction by the adroit use of commonplace material to express a noble ideal. It is not merely academic in its ambition, but is the outcome of our daily needs."

Too often has the average person of good taste, limited pocketbook and, shall we add, limited ideals and imagination, armed perhaps with pictures and sketches and a patient disposition—haunted the office of the architect in the vain hope that he might be induced to design a decent small house in which to live. He may have succeeded so far as individual requirements have been concerned, but what of the neighborhood? What of the

view? What of the dreadful railroad journey, the ferryboat delays and the picturesque timetable? To-day, in Forest Hills Gardens, this outlook has been changed.

Somebody has classified a garden city as a paradise wherein the slippery serpent in the guise of the speculative builder is unknown and where his methods have been avoided! We are certainly to be congratulated in this, that no longer is the architect of this favored land content to have his dreams interesting on paper, but descending from his drawing office he is now successfully struggling with the materials of which his buildings are composed. Here the same attention which is to be seen humanizing the concrete is at work with the bricks. They are no longer characterized for their hardness, density, sharpness of outline. They are no longer simply mechanically perfect in a way that delights the eye of the brick manufacturer. They resemble more the sun-dried bricks of Persia, only that they are so splendidly fired as to defy the inroads of time, the absorption of moisture, the attack of a low temperature. They bring color into the picture, the texture changes frequently, they "lay up" with wide joints very satisfactorily. Every foot is, as it were, a mosaic of clay.

Forest Hills Gardens, preserving religiously much of the type of the old English village, naturally groups its small houses together; thus we find a cluster of six and of ten houses arranged, as it were, in terraces and yet strangely individual and inviting. The end houses have entrances at the side. In some of the little homes an effort is made to encourage life out of doors by the adroit use of open porches on the ground floor and loggias on the bedroom floor above. Most of them have two bath rooms; all of them are well planned for everyday life the year round. This grouping leads to the full enjoyment of outside views, of vistas from various angles, encouraging the amenities of the neighborhood. Analyzing the groups, attention is invited to the arrangement of the roof lines, to the introduction of dormers and gables, and to the devices to enable small gardens to be planted, and to encourage rather than otherwise the little variations of level and of exposure. One single house shows what can be done by a frank utilization of a varying level. There is a lot of snap and originality about the construction, and if the architect had only built this one house the village were well worthy a visit! In this there is neither bronze nor marble, nor any other costly material, but everywhere there is mighty good designing and sound construction.

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## Editorial Comment

H. P. Berlage, the distinguished Dutch architect, holds to views, involving the relation of the designer to the interior fittings and accessories, that, however admirable and adaptable abroad, are practical here in but a limited sense. Writing in the columns of "The Western Architect" on "The Foundations and Development of Architecture," Mr. Berlage observes

"The modern architect therefore finds himself in the difficult position of having to design the carvings and paintings, too; in which case he in a certain sense compels the execution to slavery, and thus does not obtain his best work; he will have to renounce this, but be in such a case certain not to attain harmony, because it is almost sure that sculptor and painter will not work in his spirit. This is not the fault of the artist as such, but of our artistically still perfectly anarchistic, and therefore quite unripe time.

"I have, for instance, already remarked, that in a developed architecture there is generally no room for a parlour-statuettes, nor for a picture. I say generally because, the framing composition, and the color-scheme may be such that they nevertheless fit in well with the architectural whole. But what is the reason that most of the modern mural paintings are disagreeably obtrusive, or, artistically speaking, are falling from the wall?

"The reason is that they have been treated too much as pictures, that is to say, that there is no harmony between the scheme of their lines and the rigorous lines of the architecture. The reason is that the decorating painter has still too much of the picture painter in his blood, because the teaching in our academies of art is wholly directed towards the making of pictures, whilst painting for a pre-determined, enclosed space is entirely neglected.

"The decorating painters have not yet been able to emancipate themselves from the tradition of centuries, and notwithstanding they surround their paintings with ornament, these latter remain pictures, and do not become mural paintings in architectural sense. They lack the appearance, quiet in form, harmonious in coloring, which can only spring from mutual restraint.

"And it is the same with sculpture. It is very well known, what is meant by architectural sculpture; but notwithstanding this, one immediately discovers the dual relations between sculpture and architecture, because there, also, the same cause has the same results. The sculptors, too, are still possessed by the tendency towards the picturesque, to such an extent, that their work does not yet harmonize with architecture.

"And how often does not the scale, the dimension of figures and ornaments as against

that of the architectural details, prove to be an entirely wrong one?

"Now, for these cases a systematic treatment, as described before, is excellent, because the harmonic proportions originate, as it were, spontaneously, though sentiment has here again to speak the first, as well as the last word.

"And how is it in this respect with the products of the technical arts, with the furniture, lighting apparatus, etc., so closely related to a building?

"In the great style-periods it was a matter of course that not the architect designed these objects, but that they were supplied by the different craftsmen. And in that case one was assured of a harmonic whole, because the traditional form scheme governed the entire architectural art.

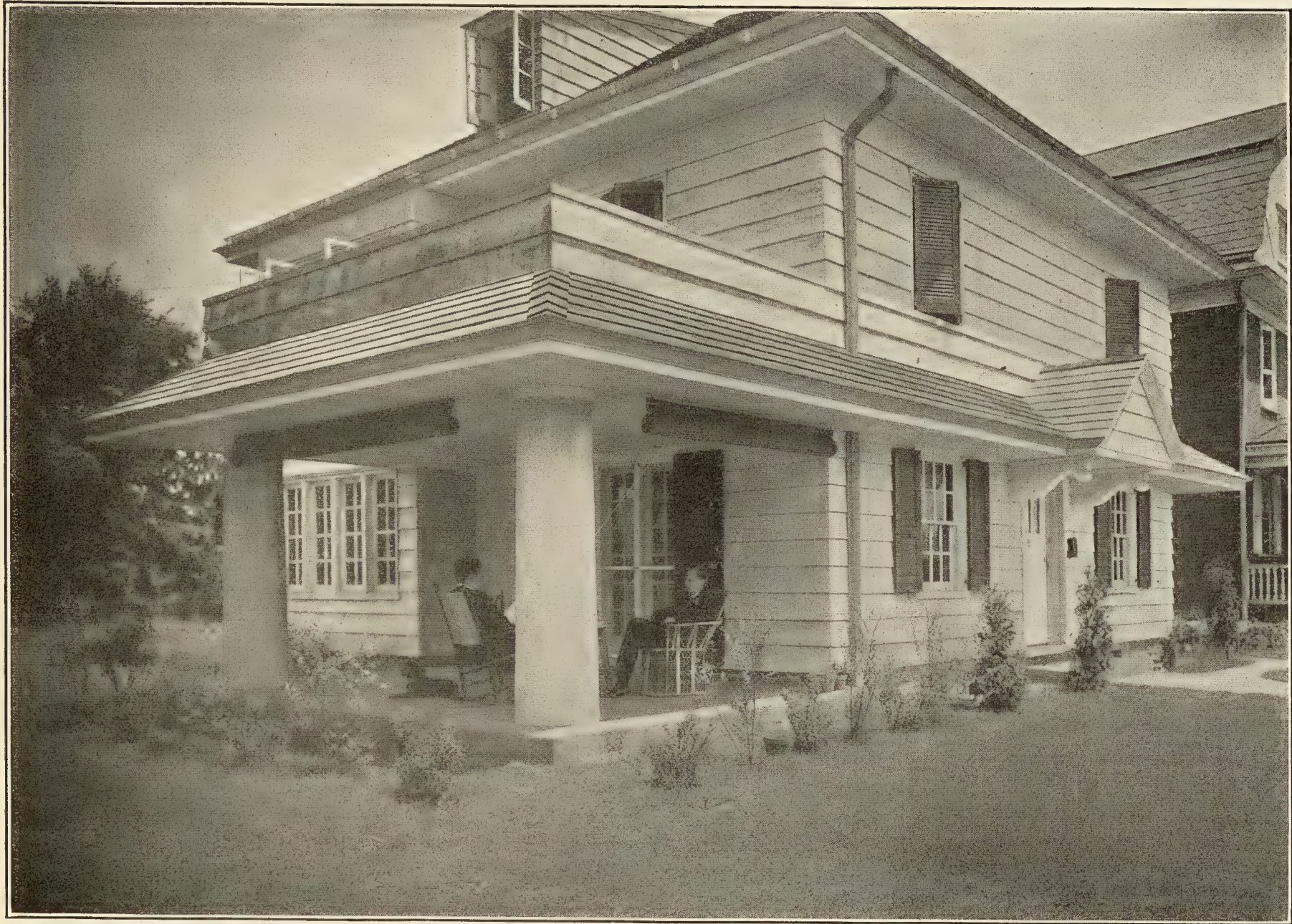
"Nowadays this is not the case, so that the desired unity cannot be attained.

"The architect will therefore have to design these details, too, if he wants to see his work externally and internally permeated by the same spirit. If he cannot do this, he may rest assured that the cabinet maker, with a style of his own, if he rejoices in such a commodity, will fill the building with furniture, in perfect discord with the architecture.

"And this same theme is repeated as often as another technical artist enters the building, so that, even in the most favorable case, the interior will show a chaos of artistic forms. For the present, the architect will therefore have to design everything himself. I say: for the present; because once more we must try to attain that the different crafts can be entrusted with the making of their respective products. And therefore all the artistic striving of this our time ought to be directed towards attaining that unity in formal beauty, because the art of building consists, after all, in the creation of spaces, with all the details pertaining thereto."

While Mr. Berlage is entirely correct in his assertion that much of the work shown in contemporary architecture is spoiled by an entire absence of "team work" between the architect and the decorator he is wrong in the assumption that to get away from this condition it will be necessary for the architect to design building and contents throughout. A race of craftsmen is growing up in the art centers of this striving young republic of ours whose work is habitually keyed to the most perfect harmony with its surroundings. The real remedy for the condition to which Mr. Berlage directs attention lies not in proceeding to the extreme length of having the architect usurp the places of his fellow craftsmen but in placing all such work, subordinate to the building itself, within the control and under the supervision of





Architects: De Armond, Ashmead  
and Bickley, Phila.

RESIDENCE OF ALBERT L. ROWLAND, ARDMORE, PA.

the architect so that the original designer may find himself in the strategical position of being able to command harmonious accessories by having them drafted, made, laid out and installed in accordance with his (the architects') ideas of the artistic proprieties. Many excellent architectural draftsmen have few or no decorative ideas of interior value; indeed one of the ugliest and least attractive homes we have seen within recent years was one in which the designing architect officiated as skipper and crew. We'd hate to have anyone infer from this that we question for a minute the ability of a dozen architects whom we could name to do just this and do it with the most conspicuous success. Our position is that given the proper subordination of the professional decorator to the man who planned the house, the job will in eight cases out of ten be done much more successfully than the generality of designers is able to do it.

\* \* \*

The National Cloak and Suit Company, a New York concern, doing business at 207 to 217 West Twenty-fourth street, has one of the best prepared buildings for dealing with a sudden fire to be found anywhere in the United States. To begin with, the building

itself is as nearly fireproof as human ingenuity can make it.

The firm first put up a solid and substantial building, with both exterior and interior fireproof stairways, fire walls, fireproof doors, cement floors and fireproof trim. The two buildings are of the kind in which, if a fire occurred, it could with prompt action be confined to one room. As part of the equipment there is a sprinkler system, the working of which everybody understands.

In addition to the sprinkler system, as Vice-President Rosenfield explained, there are 52 lines of fire hose, 48 chemical fire extinguishers and 500 pails of water and sand distributed through the building, besides fire hooks, fire axes and tarpaulins. On the front of the building there is a water curtain.

All of the apparatus named is for the purpose of putting out fires after they have started, but the company has taken the more important step of trying to prevent fires. There is, of course, a prohibition against smoking and parlor matches, to start with. There is a competent building superintendent and an ample cleaning force. For each floor there is a dirt chute, and all rubbish goes into the chutes and is dropped into a fireproof vault in the basement.

Employees, instructed in fire drills, can leave the building by four exits on each floor to interior fireproof stairways, by two exits on each floor to exterior stairways and by six exits on each floor to elevators.

In answer to the question, does it pay? Vice-President Rosenfield said: "It certainly does. It pays in the peace of mind it gives to know that your employees and property are perfectly safe. It pays in lower insurance rates. Before we moved into these buildings we paid in a well constructed loft building as high as \$1.36 per \$100 for fire insurance. In these buildings our fire insurance averages less than 10 cents per \$100 per annum.

"Intelligent business men know, however, that fire insurance does not cover the loss which an active business sustains in case of a fire. Your insurance does not repay you for the interruption to your business, nor for what is most serious to your employees, the loss of employment. If our business men would fully realize that they are themselves paying for fire losses due to flimsy construction and careless methods there would very soon be a substantial reduction in insurance rates. Every one of us are to-day paying for losses that occurred in the Baltimore and

(Continued on page 700.)



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C. G. Hagstrom, Glen Cove, N. Y., fastening device for shutters and the like. 1,039,388.

T. J. Heron, Pittsburgh, Pa., door operating mechanism. 1,039,393.

I. W. Jones, Ogden, Utah, window screen. 1,039,411.

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## Architectural Notes

Samuel McIntire, that excellent architect and wood carver, who filled his native town of Salem with beautiful Colonial doorways and gate posts, is now to be represented in the Metropolitan Museum of New York by two rooms of his designing, observes an editorial writer in the "House Beautiful." This new acquisition consists of the paneling, mantel-pieces, door-casings with featured top, etc., which went to make up the built-in furnishings of a late Colonial room, and which in snowy Puritan white, made such an effective background for the fine mahogany chairs and tables of the period. When the McIntire rooms are set up in the Museum it is proposed to fill them with the late Colonial furniture presented several years ago by Russell Sage, thus offering an opportunity for those who have not visited Salem to form an idea of the beautiful interiors that still remain there intact. The two rooms are similar in plan, nineteen by twenty-four feet, with a mantel-piece on the outside wall opposite the door and a window each side of the chimney. One of the mantels is particularly fine, rivaling that of the Nichols house in Salem, supposed to be McIntire's masterpiece.

If only the Museum can secure an outside doorway and fence-gate, it may claim to possess a representative exhibit of the work of this American genius.

\* \* \*

Writing on the subject of "The Kitchen," the same breezy periodical remarks:

"In these days of general interest in household science and economics, and the realization of the importance of cleanliness in the preparation of food, the kitchen has naturally become an object of concern to all those building homes for themselves or others.

"The modern housewife demand that her kitchen shall be a clean, well-ventilated room, where food may be prepared in the most sanitary way with the least expenditure of energy, says Ester Stone, that it shall be convenient and easy to work in, and above all easy to keep clean.

"To meet these demands is a problem which confronts many an architect to-day, and it is not one which can be solved once for all, for each new case presents new conditions and requirements, and the ideal kitchen for one house would be quite out of keeping, or even impossible, in another. The housewife who wants her kitchen arranged to suit her special needs, her methods of work, and her ways and means of living, should confer freely with her architect and understand clearly what is planned, and not merely criticise when the house is finished.

"When the first sketches of the house are being made she should consider the location of her kitchen and its dimensions. The former will depend upon the general plan of the house and its situation; but as a usual thing the kitchen should not occupy the choicest

corner of the house, as so many books on household science would seem to imply. If possible, it should be so arranged as to have windows on two sides of the room, in order to secure a cross draft for quick and effective airing; but it is not at all essential that any of these windows should be south windows, for the room is merely a workroom, and usually too warm rather than too cool, while the southern exposure is most essential for the family living-rooms, for which it should be reserved.

"The constant use of shades in a kitchen is to be deplored, as they shut out light and soon become much spotted, especially near sinks, while nothing is more trying than to work at a sink directly facing the sun the better part of the day. Sun is desirable for every room, but an east or west window, if unobstructed, will give enough for the kitchen, while the north affords a steadier light.

\* \* \*

An architect driving recently through fashionable Bernardsville observed that the costly school building presented to the town by an over-wealthy New Yorker (now dead) had been condemned, and that a cheaper stucco school was being erected nearby. He was told that the handsome stone building was not properly ventilated, and the natives, solicitous for the health of their children, insisted upon a new temple of learning wherein this defect would be corrected.

The architect at once suspected "ulterior motives;" for though he saw that the fenestration of the condemned structure was not overgenerous, he knew well that the children went from school to badly ventilated and over-heated homes where parents concerned themselves but little about the quality or quantity of fresh air per capita; which reflection brought him to the matter of heating. Questioning some of the families he found advocates of all three systems of heating, each man defending his particular installation irrespective of the type of house it was supposed to heat, and each man understanding little beyond the elemental fact that coal while burning produced heat.

These loyal folks are perhaps representative of the majority of people who have installed modern heating in old houses or, who, being about to build, have fallen under the influence of the agent for some special heating system, says "House Beautiful." He, to be sure, is to be listened to, but one should always remember that there are two other systems each with distinct merits, and that the kind of house one lives in is also a factor in deciding.

For the medium sized detached house, if it has a cellar under all of it, the fresh warm air system is worth careful consideration. This brings in fresh air, heats it, moistens it by means of water pans, and then distributes it through the house; the initial cost is



lower than steam or hot water, and likewise the consumption of coal is less. But it will not be satisfactory where too small an apparatus is expected to heat anything but a very small house, where the fresh air duct is choked with leaves or rubbish, where the water pans are never filled, and where one is afraid to burn coal; and it is inadvisable for a house with only a partial cellar for the ducts are too much exposed before reaching the rooms not over the cellar.

Hot water is the youngest of the three systems and boasts the advantage of not requiring a cellar under the entire house, of giving heat the very minute the fire is started, of continuing to heat long after the fire dies down, and of being able to heat a large house. Like other "direct" systems it heats the same air over and over, unless by special and expensive method, the original direct system is changed to indirect.

Steam heat can be carried to even greater distance and its boiler can be located anywhere that is most convenient; and as this boiler is now equipped with self-regulating attachments in connection with the draft and

damper, the work in connection with it is reduced to a minimum. By the "indirect" variety of steam heating, where the radiator, encased in galvanized iron, is suspended from the cellar ceiling, a supply of fresh air is secured, for fresh cold air from out-of-doors passes directly into the galvanized casing. Coal consumption is large, however, by this arrangement; and without it, steam gives a dry heat, and unless water pans are kept on radiators, and unless windows are frequently opened to refresh the air, nose and throat troubles—the sort that immediately beset foreigners who are unused to heated apartments—will be felt. There is no doubt about the truth of the criticism that steam-heated apartments are kept too hot; which results largely from the fact that no one takes the trouble to open a window occasionally; country people indeed, are apt to nail the windows tight at the beginning of winter and to claim that enough air comes in through chinks, and through the inevitable opening of outside doors, to cool the house; this may be true, but it can hardly be called scientific ventilation of the sort clamored for in the Bernardsville school.

pany to the exclusive use of the trade phrase "cement gun" and restraining the Cement Appliances Company from using the words to describe one of its appliances.

\*\*The Panama Canal Commission has announced that an extra million barrels of cement will be required. The original contract with the Atlas Portland Cement Company for 4,500,000 in case the government should require it.

\*\*The report of the Philadelphia Bureau of Building Inspection for the month of September shows that 736 permits for 962 operations to cost \$2,761,870 were issued. These figures are about \$700,000 below those of August when the amount reached \$3,445,935. For the nine months of this year the figures are about \$28,913,810, a decrease of \$5,418,090 from that of a corresponding period last year.

\*\*The regular annual meeting of the Building Material Men's Club of Newark, N. J., comprising a majority of the lumber and building material firms of Essex and Union counties, was held at L. A. Achter-Stetter's, Broad street, Newark, on October 9. This being the annual meeting the election of officers took place, which resulted as follows:

President—James Taffe, of Newark.

Vice-President—S. F. Bailey, Bailey & Alling, Newark.

Secretary and Treasurer—W. F. Hopping, Bockhoven Brothers, Newark.

Directors—Donald McClave, E. W. McClave & Sons, Harrison; F. T. Jones, Jones & Spottiswoode, Orange, and T. Atkins Murphey, Newark.

The organization is to hold monthly meetings and informal dinners throughout the year for the purpose of discussing conditions and matters of general trade interest, such as credits, market conditions, prices, etc. The present membership of the organization includes nearly all the dealers in Essex and Union Counties and some few from Hudson County.

\*\*There was a special meeting of the Executive Committee of the National Wholesale Lumber Dealers' Association held at headquarters, 66 Broadway, Manhattan, on October 2, at which there were present President F. E. Parker, Saginaw, Mich.; Vice-Presidents N. H. Walcott, of Providence, and Gordon C. Edwards, of Ottawa, and F. R. Babcock, of Pittsburgh; W. W. Knight, of Indianapolis, and E. F. Perry, secretary. Routine matters covering the work of the various departments were taken up, including plans for the fall work.

\*\*Nominations for officers of the New York Chapter of The American Society of Heating and Ventilating Engineers for the coming year have been made as follows: For President, Frank G. McCann; vice-president, D. D. Kimball; secretary, Joseph Graham; treasurer, Arthur Ritter; board of governors, W. M. Mackay, Conway Kiewitz and W. W. Macon. The election will take place at the October meeting of the chapter when further nominations may be made, if desired.

\*\*The following members have been appointed delegates to represent The American

## Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

\*\*The British school in Egypt recently unearthed near Memphis a sphinx, carved from a single block of alabaster, and weighing 90 tons. Its position was discovered about a year ago by Mr. Mackay, one of the students of the school, and this year when the waters on the plain subsided the figure was further excavated and now lies half exposed to view. Next year it will be raised to a vertical position above the water line. The figure measures 14 feet in height and 20 feet in length. It bears no inscription, but Prof. Flinders Petrie, the director of the British school in Egypt, approximates its date to be 1300 B. S. The fact that alabaster is foreign to the vicinity, the nearest quarries being many miles farther up the Nile, shows the new sphinx to be the largest that has ever been transported.

\*\*According to newspaper despatches, the German Government will construct a million dollar embassy building near Sheridan Circle, in Washington. A commission, composed of Herr Kettner and Herr Saran, of the German Foreign Office, and Prof. Peter Behrens, an architect of the German Government, is studying the site with a view to submitting preliminary plans. German achievements in architecture are not so well known in America as are those of French architects, for example,

and the design eventually adopted for the embassy building will be studied here with interest.

\*\*Leroy A. Kling, who has been connected for some time past with two well-known crusher companies in Cedar Rapids, Ia., is now with the Wheeling Mold and Foundry Company, Wheeling, W. Va., as department. This concern has built much of the important machinery for the Panama Canal, and will eventually manufacture a complete line of road building machinery, including a modern crusher, pulverizers, rolls, screens, elevators, trucks and graders. It is needless to speak for the quality of these products, as the company has a reputation for turning out high grade machinery.

\*\*William B. Ruggles, president of the Ruggles-Coles Engineering Company, 50 Church street, New York City, has just returned from England and advises that the Electro-Metals Company, Ltd., London, have been appointed their sole agents for all of Europe, excepting Norway and Sweden. The Electro-Metals Company, Ltd., will appoint sub-agents on the continent.

\*\*A decision has been recently handed down by a New York court, upholding the right of the General Cement Products Company and the New York Cement Gun Com-



Society of Heating and Ventilating Engineers at the Fourth National Sonversation Congress, at Indianapolis, Ind., October 1-4, 1912: Samuel R. Lewis, Chicago; N. L. Patterson, Chicago; Theodore Weinshank, Indianapolis, and John G. Hayes, Indianapolis.

\*\*International Heater Company, Utica, N. Y., announces that owing to the resignation of F. H. Moore, the general management of the business will be taken by Frank B. Wheeler, the president of the company.

\*\*American Radiator Company's New York branch held its annual outing at the Jarvis Beach Hill Hotel, Rye, N. Y., Saturday, September 7. Sixty-six of the city salesmen were on hand with W. M. Cosgrove, manager of the New York branch. Others present were Vice-President William H. Hill, vice-president and general manager of manufacturing, A. A. Landon, general superintendent, and J. D. Erskine, district sales manager. After the pleasures of the day were over, including a ball game and a dip in the Sound, the party sat down to a clam bake, at which Vice-President Hill gave some interesting reminiscences regarding the early days of the company when its New York office boasted of but one salesman. He contrasted the early days of the company with the present situation when sixty-six salesmen from the metropolitan district could be assembled. The committee on arrangements was composed of J. Barnum, Norman F. Whitelaw and E. Reinhard.

\*\*H. T. Gates, New York, for the past eight years secretary and general sales manager of the McCrum-Howell Company, New York, has resigned to take the presidency of the Hudson Boiler Manufacturing Company, with offices at 27 West Forty-second street, New York. This firm was recently organized, others being George L. Greenman, secretary and treasurer; Edward E. Fox, James D. Brady and B. F. Lane. The company will sell heating and plumbing supplies, as well as boilers.

\*\*Pierce, Butler & Pierce Manufacturing Company, Syracuse, N. Y., has appointed Mark Dean to the staff of its New York branch. Mr. Dean will have charge of the sales in the heating department.

#### ALTERATIONS AND ADDITIONS.

(Continued from page 689.)

Powers, Weightman & Rosengarten Company (O), Ninth and Parrish streets. Cost, \$1,000. Tank.

Louis Levi (O), Real Estate Trust Building. Smith-Hardican Company (C), 1606 Cherry street. Cost, \$1,000. Store and dwelling, 27 South Seventeenth street.

Board of Education (O), 2242 Land Title Building. E. H. Sturts (C), 2614 Ridge avenue. Cost, \$5,800. School, 1319 Spring Garden street.

Jacob Cohen (O), Frankford avenue and Stencer street. Harry Meyer (C), 2037 East Wishart street. Cost, \$1,000. Store and dwelling.

Berg Distilling Company (O), Swanson and Tasker streets. Cost, \$1,000. Power house. H. F. Days (O), 721 North Forty-eighth street. J. H. Days (C), 1613 North Twelfth

street. Cost, \$1,000. Manufactory, 764 North Forty-fifth street.

D. McCormick (O), 3559 North Broad st. M. Smith (C), 2700 North Second street. \$1,000. Building, 2700 North Second street.

Pennsylvania Railroad Company (O), Philadelphia. H. G. Brocklehurst (C), 512 Norris street. Cost, \$2,000. Building, Frankford avenue and Pennsylvania Railroad.

Hilton Dyeing Company (O), 2712 Jasper street. G. H. Thirsk (C), Frankford avenue and Orthodox street.

J. Johnson (O), 514 South Water street. L. Isaacman (C), 330 Catharine street. Cost, \$1,000. Dwelling, 115 Kenilworth street.

Germantown Tool Works (O), Germantown. F. W. Van Loon (C), Denckla Building. Cost, \$800. Tower, Second and Ashdale streets.

J. L. Thomas (O), Pelham Road. W. J. Stevens (C), Wyncote, Pa. Cost, \$3,000.

E. Sutra & Sons Company (O), Thompson and Clearfield streets. Smith-Hardican Company (C), 1606 Cherry street. Cost, \$1,000. Generator house.

J. G. Greib & Sons (O), 529 Market street. Smith-Hardican Company (C), 1606 Cherry street. Cost, \$17,000. Warehouse, 47 North Third street.

Franklin Baker (O), Germantown. F. B. Davis (C), 35 South Seventeenth street. Cost, \$2,045. Garage, Wayne avenue and Hortter streets.

M. Ehret (O), Land Title Building. J. L. Rogers (C), Park avenue and Cumberland street. Cost, \$1,800. Garage.

F. Webber (O), Morris Building. Standard Construction Company (C), 914 Drexel Building. Cost, \$2,000. Boiler house, Thirty-fifth and Powelton avenue.

George Wagner (O), Twenty-second and Walnut streets. Alexander Chambley (C), 243 South Tenth street. Cost, \$3,000. Residence.

J. C. Moore (O), Land Title Building. Cost, \$1,300. Dwelling, 700-726 June street. Cost, \$1,500. Dwellings, 703-747 June street.

Jos. A. Blair (O), 1027 Rockland street. Cost, \$4,800. Two dwellings, brick, two stories, 16x42 feet. Cost, \$4,800, two dwellings, Warnock and Rockland streets.

John Fothlingham (O), 3367 Frankford avenue. Cost, \$3,600. Twodwellings, brick, two stories, 14x40 feet, Margaret and Hawthorne streets. Cost, \$5,400. Three dwellings.

"I was going to place my order with Blank & Co.," writes an out of town subscriber, "but failing to find their advertisement in your pages, concluded that the firm was of small importance." The firm that bagged the order is comparatively new to the trade, but as a regular advertiser in the home trade paper was able to make an impression that all the accumulated prestige of the older house was unable to overcome. Moral: Advertise.

Are you aware that "The Guide" prints every week more real, live, readable, up-to-the-minute stuff about architecture and building than any two of its more pretentious contemporaries? Fact, just the same. Compare 'em and see.

When you want to find the address of the man who "doesn't believe in advertising," don't look up a directory. Just ask the sheriff.

When you don't advertise nobody knows that you are doing business, and it won't be long before you'll not know it yourself.—Ex.

#### EDITORIAL COMMENT.

(Continued from page 697.)

San Francisco fires, and we will continue to pay for them for years to come."

There's a little moral concealed in Mr. Rosenfeld's remarks, in answer to the query, "Does it Pay?" that should be sought out and made the subject of cogitation on the part of other manufacturers similarly situated as to working force and fire-risk.

#### THE BUILDERS' GUIDE

is the **only** paper devoted to building material and equipment interests in Philadelphia—the only architectural and construction organ in the State of Pennsylvania, and the most readable and progressive trade paper of its class this side of New York city.

If you are not a subscriber—**subscribe now.**

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We want **10,000 paid subscribers** to the Builders' Guide before the close of 1912.

Won't you **help** your home trade paper to realize this ambition?

Lend a hand.

We have an attractive proposition to make to a few **good** subscription canvassers. The other kind need not apply.

#### BUILDERS' GUIDE.

Perry Building, Philadelphia.

#### AN EPITAPH.

Here lies the remains of Jonathan Wise,  
Who all his days schemed to devise  
A way to reap fortune's golden prize,  
And failed, 'cause he wouldn't advertise.

The trouble with some advertising is that it is like the conversation of certain people—it never says anything.—"Novelty News."

When the game is advertising, specializing pays. You couldn't advertise hats in a brick magazine any more than you would advertise corsets in a tobacco trade journal. Selecting your medium depends on the class you aim to reach. If the class is architects or builders, your medium is "The Guide."

#### REAL ESTATE TRANSFERS.

Summary for week ending October 19, 1912:  
Number of transfers ..... 626  
Amount of transfers ..... \$1,846,679.49  
Cash consideration ..... 634,956.60  
Mortgage consideration ..... 1,211,722.89  
Ground rent consideration ..... 1,373.87  
Which on a 6 per cent. basis  
amounts to ..... 22,897.84



# Reference Directory for Architects, Builders and Owners

## Artesian Wells.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.,  
Bourse Bldg., Phila.

## Artists' and Architects' Supplies.

F. Weber & Co., 1125 Chestnut st., Phila.

## Awnings

Bernard McCurdy,  
N. E. Cor. 9th and Arch sts., Phila.

## Brick (Face, Etc.)

O. W. Ketcham, Builders' Exchange, Phila.

## Brick Renovating.

Adolph Christensen,  
1433 Brown st., Phila.

## Blue Prints

Blue Print Co., 1516 Chestnut Street, Phila.

## Boilers and Radiators.

Isaac A. Sheppard & Co.,  
Erie ave. and Sepviva st., Phila.

## Builders.

Mitchell Bros., 2125 Race St., Phila.  
Pomeroy Const. Co., 1609 Ranstead st., Phila.

## Builders' and Contractors' Machinery.

Henry T. Peirce, Bulletin Bldg., Phila.

## Canvas Roofing.

The Franklin Paper Co.,  
718 Cherry st., Phila.

## Cement.

Samuel H. French & Co.,  
4th and Callowhill sts., Phila.  
Chas. Warner Co., Land Title Bldg., Phila.  
Knickerbocker Lime Co.,  
266 N. 24th St., Phila.

## Cement and Asphalt Paving.

Wm. Krause, 1621 N. 5th St., Phila.

## Cement Colors.

Samuel H. French & Co.,  
4th and Callowhill sts., Phila.

## Cold Water Painting.

William B. Southern,  
N. W. Cor. 12th and Spruce sts., Phila.

## Concrete Engineer.

Conklin Engineering Co.,  
Heed Building, Phila.

## Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,  
10th and Chestnut Sts.

## Elevator (Lubricators.)

American Engr. & Mfg. Co.,  
Real Estate Trust Bldg., Phila.

## Engraving, Photo and Line.

Chestnut Street Engraving Co.,  
7th and Chestnut sts., Phila.

## Fire Protection Equipment.

Jas. Boyd & Bros.,  
25th and Wharton sts., Phila.

## Flag Poles (wood and steel).

Bernard McCurdy,  
N. E. cor. 9th and Arch sts., Phila.

## Floors and Floor Finishing.

Andrew Pinkerton, 3034 W. York st., Phila.  
Fritz & La Rue,  
4800 Parkside ave., Phila.  
Keystone Hardwood Floor Co.,  
7 S. 16th st., Phila.  
Thos. E. Sloan & Co., 802 Walnut st., Phila.

## Furnishers and Decorators.

Duncan & Duncan, Inc.,  
1724 Chestnut st., Phila.

## Furnaces and Ranges.

Bartlett & Co., 1938 Market st., Phila.  
Henry M. Miller, 40 N. 2nd st., Phila.  
Isaac A. Sheppard & Co.,  
Erie Ave. and Sepviva St., Phila.

## Gas and Gas Appliances.

United Gas Improvement Co.,  
Broad and Arch sts., Phila.

## Graphite Paint.

Jos. Dixon Crucible Co.,  
1020 Arch st., Phila.

## Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

## Heating (Warm Air.)

Makin Heating Co., 6 N. 18th St., Phila.

## Iron Work (Structural and Ornamental).

W. E. Wark & Co., 1737 Filbert st., Phila.

## Lighting Fixtures.

Logue-Stronge Mfg. Co.,  
435-37 N. Broad st., Phila.

## Metal Furniture.

Edward Darby & Sons Co.,  
233 Arch St., Phila.

## Metal Tile.

American Perfectile Co.,  
1526 Sansom St., Phila.

## Marble Mosaic.

Belfi Bros. & Co.,  
20-22 S. 19th st., Phila.

## Metal Doors and Trim.

R. R. Hammond & Co.,  
Land Title Bldg., Phila.

## Mill Work.

Frank C. Snedaker & Co.,  
9th and Tioga sts., Phila.

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4th and Callowhill sts., Phila.

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B. B. Funston, Inc. 146 N. 10th st., Phila.

## Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th St., Phila.  
Samuel H. French & Co.,  
4th and Callowhill sts., Phila.  
Pyramid Paint Co., 131 N. 22nd st., Phila.  
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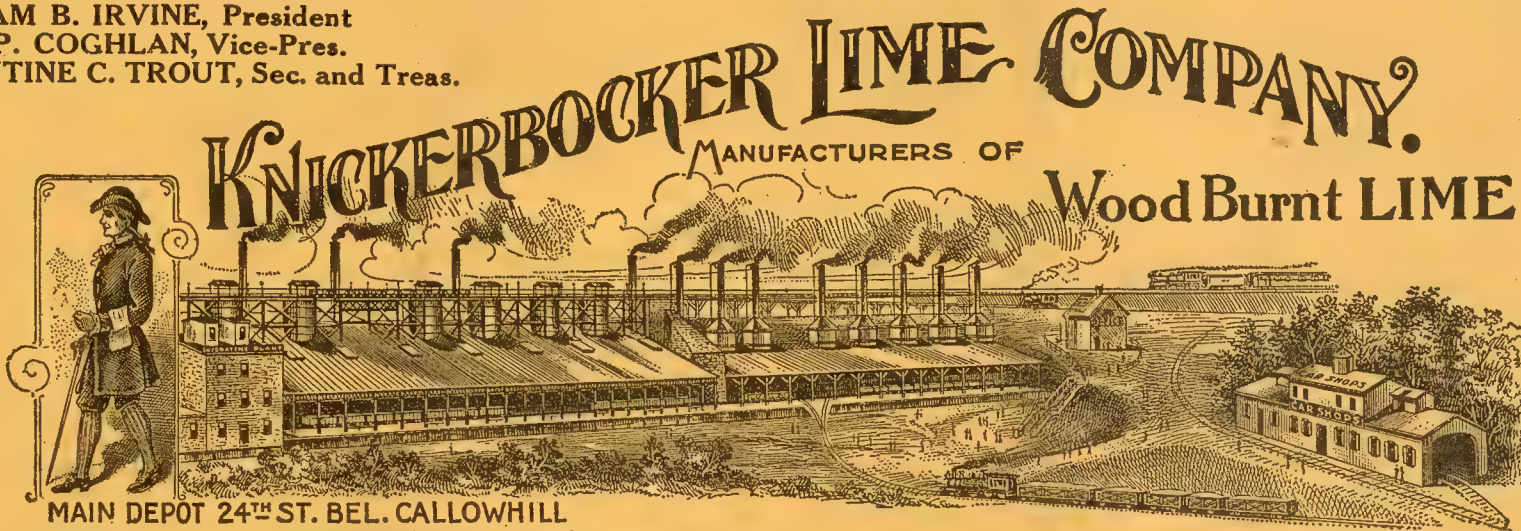
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THE PHILADELPHIA REAL ESTATE RECORD AND

# Builders' Guide

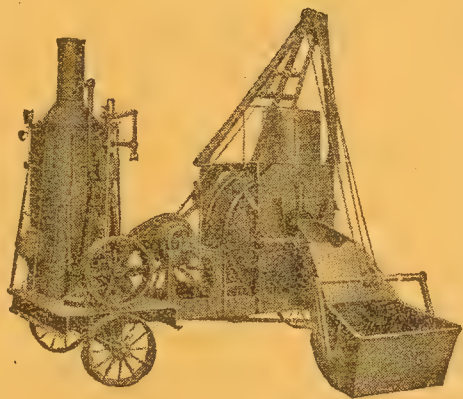
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Vol. XXVII., No. 44.

PHILADELPHIA, WEDNESDAY, OCTOBER 30, 1912.

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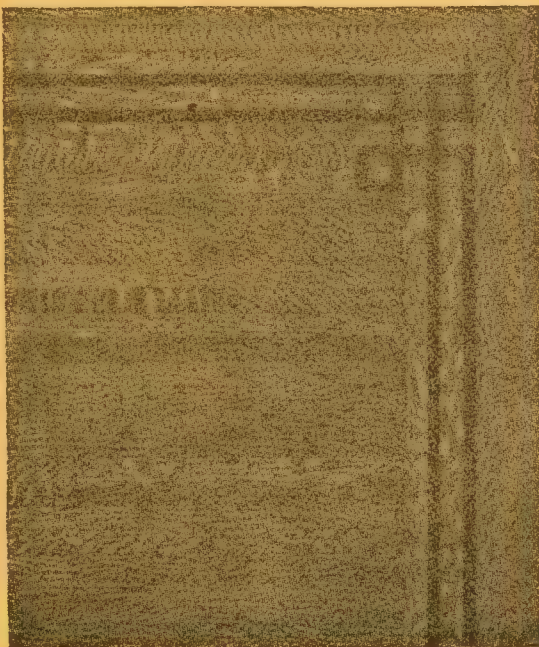
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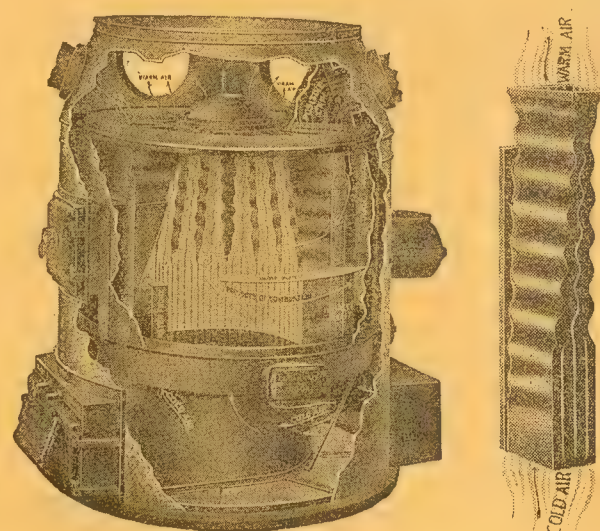
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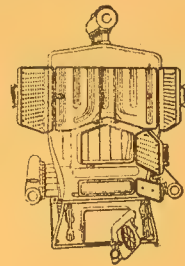
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THE PHILADELPHIA REAL ESTATE RECORD AND

# Builders' Guide

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXVII., No. 44.

PHILADELPHIA, WEDNESDAY, OCTOBER 30, 1912.

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CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Factory (alt. and add.),** Indiana avenue and A street. Architects, Ballinger & Perrott, 1211 Arch street. Owner, Franz C. Merz, on premises. Brick, five stories, electric light, slag roof. Architects taking bids due October 31. The following are figuring: H. H. Burrell, 1204 Chancellor street; B. Ketcham, 1029 Brown street; A. Whitehead, 1624 Latimer street; Harrison C. Rea Company, 1021 Wood street; William R. Brown, 2145 East Fifth street; Thomas Seeds, Jr., 1209 Race street.

**Bakery,** 4312 Frankford avenue. Architect, Charles Balderson, 411 Walnut street. Owner, Gustav Becker, 4310 Frankford avenue. Brick, two stories, 55x115 feet, electric light, steam heat, slag roof. Plans about completed.

**Residence (alt. and add.),** Wilmington, Del. Cost, \$12,000. Architects, A. B. DeArmond, Wilmington, Del. Frame, two and one-half stories, two wings, 18x30 feet and 15x20 feet, hot water heat, hardwood floors, shingle roof. Architects taking bids due November 9. The following are figuring: A. S. Reed & Bro. Company, J. Bader & Co., W. D. Haddock & Co., John E. Healey & Son, M. Howard May, all of Wilmington, Del.

**Factory (add.),** Lester, Pa. Architects, Ballinger & Perrot, 1211 Arch street. Owners, Lester Piano Company, Lester, Pa. Brick, four stories, steam heat, slag roof, electric light. Revised plans in progress.

**Platform and Shelter Shed,** Arkansas and Arctic avenue, Atlantic City, N. J. Architect, William Hunter, Twelfth and Market streets. Owners, Philadelphia and Reading Railroad, Twelfth and Market streets. Concrete and steel, 20x448 feet, electric light, slag roof. Owners taking bids, due October 30th. The following are figuring: Charles McCaul Company, Tenth and Sansom street; J. G. Doak & Co., Crozer Building; Irwin & Leighton, 126 North Twelfth street; F. A. Havens, 845 North Nineteenth street; J. Sims Wilson, 1125 Brown street; J. W. Emery, 1524 Sansom street; T. C. Tragord, 1613 Sansom street; F. L. Hoover & Sons, Builders' Exchange; E. L. Seeds, 6314 Wissahickon avenue; Wells Construction Company, Witherpoon Building; P. J. Hurley, 1230 Cherry street; Roydhouse-Arey Company, Fidelity Building.

**School,** Washington, D. C. Architect, T. J. D. Fuller, 806-07 street, N. W. Owners, Reform School for Girls, Washington, D. C. Brick, two stories, 30x81 feet; two wings, electric light, steam heat, slate roof. Arch-

itect taking bids, due October 30th. J. W. Emery, 1524 Sansom street, is figuring.

**Boiler House,** Commercial and Mifflin streets. Architects, Savery, Scheetz & Savery, St. Girard Building. Owners, Crew Levig Oil Company, Land Title Building. Brick, one story, 34x45 feet, slag roof. Architects have received bids.

**Apartment House,** Germantown, Pa. Architect, J. C. Fernald, 5533 Wyalusing avenue. Owner, A. T. Elder, 1013 Betz Building. Brick, four stories, 92x122 feet, electric lighting. Plans in progress.

**Bungalow,** Browns Mills, N. J. Architects, Druckenmiller, Stackhouse & Williams, Land Title Building. Owner's name withheld. Frame, two stories, 22x39 feet, shingle roof, hot air heat, hardwood floors, electric light. Architects taking revised bids, due November 1st. The following are figuring: Erlin & Harker, Browns Mills, N. J.; J. B. Rowen, Moorestown, N. J.; J. B. Reilly, Pleasantville, N. J.

**Residence,** Plaza avenue, Atlantic City, N. J. Architects, Druckenmiller, Stackhouse & Williams, Land Title Building. Owner, M. W. Newton, Eighth and Chestnut streets. Plaster, three stories, 37x70 feet, tile roof, electric light, hot air heat, hardwood floors. Architects taking bids, due October 30th. (Note change in date.) The following are figuring: W. S. Higbee, P. G. Hannum, and Harmpson Brothers, all of Atlantic City, N. J., and A. Whitehead, 1624 Latimer street, Philadelphia.

**Hotel,** Birmingham, Ala. Architect, W. S. Stoddard, 31 West Thirty-eighth street, New York City. Owners, Tutweiler Hotel Company, Birmingham, Ala. Brick, stone and terra cotta, seventeen stories, elevators, electric light, steam heat, slag roof. Architect taking bids, due November 2nd. Charles McCaul Company, Tenth and Sansom streets, is figuring.

**Apartment Houses (22),** Sixty-first and Catharine streets. Architect, James C. Fernald, 5533 Wyalusing avenue. Owner, Samuel Shiemaker, Land Title Building. Brick, two stories, 18x70 feet, tin and slag roof, electric light, hot water heat, hardwood floors. Owners taking sub-bids.

**Residences (18)** Torresdale avenue and Princeton street. Architect, private plans. Owner, James W. Orr, Bustleton pike. Brick, two stories, 15x45 feet, electric light, hot water heat, hardwood floors, slag roof. Owner taking sub-bids.

**Residence (alt. and add.),** 1830 Spruce street. Architects, Brockie & Hastings, Presser Building. Owner, Dr. Joseph Sailer, 1830 Spruce street. Brick and stone, steam heat, electric light, tin roof. Architects have received bids.

**Department Store (alt.),** Ninth and Market streets. Architect, A. B. Lacey, 1012 Walnut street. Owners, Gimbel Brothers, on premises. Consists of new bulk windows and alterations. Plans completed. Architect ready for bids.

**Residence (remodeling),** Glenside, Pa. Architect, Frank Seeburger, Pennsylvania Building. Owner, Frank X. Renninger, 149 South Broad street. Stone and timber, two and one-half stories, shingle roof, hot water heating. Revised plans about completed. Architect will take bids in about one week.

**Residences (2),** Merion, Pa. \$25,000. Architect, Frank Seeburger, Pennsylvania Building. Owner, John A. Barry, Land Title Building. Stone and frame, two and one-half stories. Plans not yet started.

**Residence,** Merion, Pa. Architect, Chas. E. Oelschlager, Harrison Building. Owner, Louis A. Belmont, 2037 North Broad street. Stone and timber, two and one-half stories. Plans in progress. Architect will not take bids until after January 1st.

**Residences (56),** Fifty-seventh and Catharine streets. Architect, E. Allen Wilson, 1208 Chestnut street. Owners, Edward F. Gorman, Fifty-second and Arch streets, and Joseph K. Marshall, 8 South Fifty-second street. Brick, two stories, slag roof, steam or hot water heating, hardwood floors, electric lighting. Plans in progress.

**Moving Picture Theatre,** Sixtieth and Spruce streets. \$7,500. Architect, private plans. Owner, Wm. R. Bricker, 117 South Forty-sixth street. Brick, one story, 40x100 feet, steam heat, electric light, slag roof. Owner taking sub-bids.

**Residence (alt. and add.),** Wilmington, Del. \$12,000. Architects, DeArmond, Ashmead & Bickley, 618 Chestnut street. Owner, name withheld. Frame, two and one-half stories, 2 wings, 18x30 feet, and 15x20 feet, hot water heat, hardwood floors, electric light, shingle roof, 5 bath rooms. Plans completed. Architects ready for bids.

**Fire House,** Wildwood, N. J. Architect, private plans. Owners, City of Wildwood, N. J. Brick, three stories, 40x25 feet, slag roof,



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steam heating. Owners taking bids, due November 6th. The following are figuring: Alexander Chambley, 243 South Tenth street.

**Apartment House**, Thitry-sixth and Chestnut streets. Architects, Watson & Huckel, 1211 Walnut street. Owner, Clarence R. Siegel, 4639 Hazel avenue. Brick, granite, terra cotta, ten stories, 100x220 feet, tile roof, electric light, steam heat, hardwood floors, two passenger elevators, one freight elevator. Plans in progress.

**School**, Third and Mifflin streets. Architect, Horace Cook, Land Title Building. Owners, Board of Education, Land Title Building. Brick, stone and terra cotta, fireproof, four stories, 112x279 feet, slate roof, electric light, steam heat, enamel brick. Revised plans in progress.

**Warehouse**, Twenty-first and Arch streets, \$100,000. Architects, Hayes, Roberts & Reh-fuss (associates), 1524 Chestnut street. Owner, William H. Maule, 1707 Filbert street. Brick, fireproof, eight stories, 60x108 feet, electric light, steam heat, slag roof, elevators. Revised plans in progress.

**Residence**, Haverford, Pa., \$25,000. Architect, Horace Wells Sellers, Stephen Girard Building. Owner, Boyd Lee Spahr, Land Title Building. Stone and timber, three stories. Architect taking bids, due November 7th. The following are figuring: Metzger & Wells, Heed Building; George & Borst, 277 South Eleventh street; F. L. Hoover & Sons, Builders' Exchange; Stokes Brothers, 6723 Musgrave street; J. M. Warner, Bryn Mawr, Pa.; J. E. Kearney, 323 North Sixty-third street.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Y. M. C. A.**, Pottstown, Pa. Cost, \$75,000. Architects, Lachman & Murphy, Witherspoon Building. Owners, Y. M. C. A. of Pottstown, Pa. Brick, limestone and terra cotta, four stories, 79x150 feet, slag roof, electric light, steam heat. Contract awarded to F. H. Keiser, Pottstown, Pa.

**Garage**, Rydal, Pa. Architect, F. G. Caldwell, Stephen Girard Building. Owners, Rydal Land Company, care of Herkness & Stetson, Land Title Building. Frame, one and one-half stories, 14x30 feet, shingle roof. Contract awarded to Henry Specht, Jr., Willow Grove, Pa.

**School**, Third and Mifflin streets. Architect, J. H. Cook, Land Title Building. Owners, Board of Education, City Hall. Brick, limestone and terra cotta, fireproof, four stories, 112x279 feet, slate and slag roof, electric light, steam heat, enamel brick. Bids opened as follows: Jas. G. Doak & Co., \$448,480; Cramp & Co., \$456,499; Chas. McCaul Company, \$463,700; J. E. & A. L. Pennock, \$467,646; Sax & Abbott, \$467,727; H. H. Wehmeyer, \$469,000; B. Ketcham's Sons, \$469,998; Thos. Reilly, \$475,000; J. W. Emery, \$476,504; Mitchell Bros., \$487,985.

**Residence** (add.), Westtown, Pa. Architects, Baker & Dallett, 1629 Chestnut street. Owner, Judge J. G. Jordan, North American Building. Stone and frame, two stories, slag and tin roof, electric light. Contract awarded to P. E. Jeffries, West Chester, Pa.

**New Nursery and addition to Home**, Fifth and Bainbridge streets. Architects, Magaziner & Potter, 137 South Fifth street. Owner, The Young Women's Union, on premises. Brick, granite, limestone trimmings, four stories, 50x72 feet, electric light, tile roof (heat, reserved). Contract awarded to James Connor, 2848 Frankford avenue.

**Hospital** (add.), Susquehanna avenue and

Howard street. Architects, Watson & Huckel, 1211 Walnut street. Owners, Kensington Hospital for Women, on premises. Brick, concrete, fireproof, four stories, 30x87 feet, electric light, steam heat, slate roof. Contract awarded to A. H. Williams, 419 Locust street.

**Bank** (alt. and add.), Third and Market streets. Architects, Seymour & Paul A. Davis, Presser Building. Owners, West Jersey Tile & Guaranty Co., on premises. Brick, two stories, electric light, steam heat. Contract awarded to Mitchell Brothers, 2125 Race street.

**Residence** (alt. and add.), Oak Lane, Pa. \$5,000. Architects, Furness & Evans, Fourth and Chestnut streets. Owner, Eliza J. H. Mohr, Oak Lane, Pa. Stone, two and one-half stories, slate roof, electric light. Contract awarded to J. Sims Wilson, 1125 Brown street.

**Factory**, 1407 North Eighth street. \$10,000. Architect, private plans. Owners, Penn Surgical Manufacturing Company, 909 West Montgomery avenue. Brick, three stories, electric light, steam heat, slag roof. Contract awarded to P. J. Gaffney & Co., 130 North Twelfth street.

**Pavilion**, Byberry Farms, Pa. Architect, P. H. Johnson, Land Title Building. Owners, City of Philadelphia, Department of Health and Charities, City Hall. Frame, one and two stories, 35x180 feet, steam heat, electric light, wood and asbestos shingle roof. Bids opened as follows: J. W. Emery, \$29,400; W. E. Dotts, \$31,993; M. P. Wells, \$36,600.

**Residence**, Melrose Park, \$12,000. Architects, Sauer & Hahn, 1112 Chestnut street. Owner's name withheld. Stone, two and one-half stories, 54x27 feet, tile roof, electric light, hardwood floors, (heat reserved). Contract awarded to M. E. Hauser, Glenside, Pa.

## Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Richard Wildey (O), 2817 Mascher street. H. P. Schneider (C), York Road and Erie Avenue. Cost, \$2,800. Two dwellings, brick, two stories, 16x23 feet, Front and Westmoreland streets. Cost, \$1,500. One dwelling.

Thomas Killough (O), 5035 Spruce street.

Cost, \$6,000. One store and dwelling, brick, two stories, 20x75 feet, Forty-ninth and Sansom streets. Cost, \$22,000. Five stores and dwellings.

George J. Foster (O), 7114 Yocum street. Simon Bannett (C), Eighty-fourth and Gibson



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avenue. Cost, \$2,100. Dwelling, brick, two stories, 16x41 feet, Seventy-third and Glenwood avenue.

James Arthur (O), 3407 Hurley street. Cost, \$37,500. Fifteen dwellings, brick, two stories, 16x33 feet, Tioga and Shelburne sts.

William R. Bricker (O), 117 South Forty-sixth street. Cost, \$7,500. Theatre, one story, brick, 40x100 feet, Sixtieth and Spruce sts.

Robert Ewing (O), 4018 North Fifth street. Cost, \$46,000. Twenty-three dwellings, brick, two stories, 15x30 feet, Linden Pike and Godfrey avenue. Cost, \$48,000. Twenty-eight dwellings.

William Freihofer (O), Twentieth and Indiana avenue. Charles A. Mahon (C), 1012 Rockland street. Cost, \$17,000. Apartment house, brick, three stories, 26x87 feet, Frankford avenue and Margaret street. Cost, \$14,-

000. Four dwellings, brick, two stories, 18x51 feet.

George H. McClatchey (O), 5908 Lansdowne avenue. Cost, \$700. Garage, brick, one story, 32x35 feet, 1519 North Fifty-ninth street.

Mrs. J. Adair (O), 6900 Second Street Pike. J. Y. T. Adair (C). Cost, \$4,000. Two dwellings, brick, two stories, 16x42 feet, Fenshaw street, east of H. street.

George A. Stoeckle (O), 813 Callowhill st. George Kessler (C), Drexel Building. Cost, \$1,400. Stores, brick, two stories, 14x28 feet, 812 Willow street.

Joseph Camelno (O), 6331 Vine street. Charles Lauria (C), 6314 Vine street. Cost, \$4,800. Garage, brick, two stories, 25x100 feet, Vine and Gross streets.

## Alterations and Additions

Pennsylvania Cold Storage Company (O), Twenty-ninth and Market streets. Stacey Reeves & Sons (C), 1609 Filbert street. Cost, \$50,000. Market House.

Mrs. Walter S. Massey (O), Torresdale, Pa. N. K. Freas (C), Andalusia, Pa. Cost, \$2,000. Dwelling, Grant avenue and Wissinoming.

University of Pennsylvania (O), Thirty-fourth and Spruce streets. Cost, \$1,200. Dwelling, 120 South Thirty-fourth street.

Lit Brothers (O), Eighth and Market streets. S. G. Jellett (C), Franklin Bank Building.

R. T. Worthouse (O), 2655 Bridge street. Cost, \$3,500. Factory, 2655 Bridge street.

Louis Stecker (O), 420 Market street. Smith-Hardican (C), 1606 Cherry street. Cost, \$1,000. Store, 402 Market street.

Sol. Pintzuk Bros. (O), 36 North Ninth street. M. Hirschner (C), 421 Snyder avenue. Cost, \$2,675. Store.

Philadelphia Rapid Transit Company (O), Eighth and Dauphin streets. Cost, \$1,500. Tank, Thirteenth and Mount Vernon streets.

B. Emerling (O), Brooklyn, N. Y. "J. H. A. Decatur (C), 3116 Columbia avenue. Cost, \$1,900. Shop, 2531 West Girard avenue.

L. DesGarrage (O), 22 Mount Pleasant avenue. T. J. Carberry (C), 51 North Hutchinson street. Cost, \$1,350. Garage, 305 North Twelfth street.

John McBride (O), 2621 South Broad street. H. D. Prettyman (C), Land Title Building. Cost, \$4,000. Storage, 2631 South Broad street.

Ed. M. Harris (O), 48 North Twenty-third street. J. P. Wood (C), 239 North Fourth street. Cost, \$1,800. Machine shop. Twenty-second and Race streets.

B. B. Gallagher (O), Kensington avenue and Cumberland street. John N. Gill Company (C), Heed Building. Cost, \$2,500. Saloon.

Lang-Harrar & Chamberlin (O), 30 North Third street. John N. Gill Company (C), Heed Building. Cost, \$8,000. Building, 43 North Third street.

Geo. W. Blabon (O), Twenty-first and Hunting Park avenue. Wm. Steele & Sons (C), 1600 Arch street. Cost, \$2,800. Mill.

Mrs. A. Bryan (O), 917 North Seventh street. Glass & Figgarr (C), 1303 North Seventh street.

F. & S. Nelson (O), Third and Huntingdon streets. John Schuster (C), 3553 North Fifteenth street. Cost, \$3,400. Dry house.

## NEW METHOD OF WATERPROOFING.

A method of waterproofing, mentioned in the report of the Committee on "Treatment of Concrete Surfaces" at the eighth annual convention of the National Association of Cement Users, is described as follows:

"For a flat surface lay a base of concrete while still wet and plaster with one-eighth inch of neat cement troweled hard, then followed with another layer of finishing concrete, the lower layer being at least two inches thick and the top layer three inches. On wall surfaces as soon as the forms are removed, thoroughly wet surface, trowel on one-eighth inch of neat cement and follow immediately with one inch of 1:2 mortar before the neat cement has begun to dry or appreciably set. If the wall or floor treated in this manner is large it must be reinforced to prevent cracking.

## BRICK IN COLONIAL ARCHITECTURE.

Brick is particularly interesting as a building material because it possesses a certain "human" element. It seems to respond to almost any architectural humor, grave or gay, and is quite as pleasing and beautiful of plain

dark red modestly trimmed with white stone at Independence Hall, as when of pale buff with diaper pattern subtly suggested by darker headers at Madison Square Garden. This "responsive" quality renders its application to domestic building particularly successful for brick, seems to sustain the note in which the home is set, whether it be the dignified beauty and reticence of English Tudor or Jacobean, or the more intimate cottage styles of Germany or France. It is particularly adapted for building homes in what we call the "Colonial" styles, for brick was used in all the American colonies where such expense could be met and excellent examples of such buildings are readily recalled, from the Hancock house in Boston, to the Dutch architecture of New York, with its houses of brick "brought from Holland," then through Maryland and Virginia with their stately brick manor houses to the French and Spanish buildings of Louisiana.—"American Homes and Gardens."

## THE "DISAPPEARING" KITCHEN.

In one of its monthly reports the California State Board of Health comments as follows upon what has come to be termed the "disappearing kitchen."

One of the problems of modern city growth is the condensation of the large, comfortable, family country homes 10 feet x 12 feet x 50 feet piled eight, ten or more high and flanked on either side by similarly condensed homes. These houses have light only from windows in front and back sides, and occasionally the diffused light from an air shaft. The only front yard is the fire escape; the only back yard is a narrow porch, and the limited air space made usable by an aerial clothes line. Under these conditions it is to be expected that disappearing beds, gas mantels and other similar devices for economizing space will be popular. To meet this demand has come what might be termed the disappearing kitchen. Just as the spacious, well-ventilated old bed room, with its wide-chimneyed fireplace, has been superseded by the small, illy-ventilated room which serves in the added capacity of sitting room by day, so the great, open, cheerful kitchens of old are being superseded by the twentieth century kitchenette. Limited facilities for cooking and serving meals mean limited range of foods which may be considered for the table. Through invention and clever application of the scientific principles of food preservation this limit has been gradually extended until the tin-can dietary may be made to cover nearly all the ordinary demands for proper food, but the cook must know her trade or the family will severally suffer. It is probable that the "disappearing kitchen" plays a large part in the present-day prevalence of many diseases and functional disorders, especially of the alimentary canal.

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## USE OF MATERIALS IN CONSTRUCTION

By NATHANIEL ELLERY, C. E.\*

In recent years the types of construction have undergone marked changes, caused undoubtedly by the attention directed to monolithic work. In strictly engineering structures this feature is certainly carried to its fullest extent and we need but review recent works to satisfy ourselves on this point. In buildings this idea is also carried out, but other items of positive requirements are so prominent as to overreach much of the monolithic feature scheme. For instance, fire resistant materials are of the highest importance, as are also those materials giving most space with sufficient strength to perform the work required of them. Resistance to lateral stresses caused by outside forces must now be properly sought. Then architectural features are of the utmost importance, and at the present day this treatment is bound to be of paramount consequence.

It is the materials and forms of construction of buildings to which I shall mostly confine this article. The intention is not to give a strictly technical account of construction, but to give a general resume of the work, note many everyday facts in practice and yet to go sufficiently into technical information that wrongful conclusions may be avoided. For those readers not familiar with many terms used, I shall endeavor to state plainly the subject matter.

As the property values of our cities advanced it became necessary to so construct the buildings of the congested districts as to give all available space for revenue purposes. The stone and brick walls used structurally on building work when height was desired, became too thick for practical purposes, and it was then that steel, a material of great strength, entered to permit height to be obtained. The first steel framed skyscraper was erected in the city of Chicago. From this has grown the structural steel frame for building until we now have under construction in New York City the Woolworth Building, a fifty-five story structure, seven hundred and fifty feet in height. For the frame of a building steel enters as the best resistant to stresses, lateral or otherwise. It must, however, be fireproofed or else its value in a fire or conflagration is extremely low. When properly fire-protected it presents the most modern and best material known for structural use. From tests made by the Federal Government it shows the greatest rigidity of all building materials. Another factor of great value in steel design is the uniformity of the product, thus

allowing for a safer design than of other materials used structurally. In comparison with reinforced concrete thus used, it occupies considerable less space in the columns so that a main room having column supports will give more floor room. To be sure we must in good construction fireproof the steel, and it should be thoroughly done, but must not concrete receive the same consideration?

The progress report of the American Society of Civil Engineers dated March, 1910, states that reinforced concrete used structurally must be fireproofed. In the discussion of the report Major Sewell, who is extremely well versed in this class of work, offers some good suggestions on the liability of insufficient protection to the reinforcing metal. The imbedded metal of reinforced concrete must be protected from excessive heat, so that the structure shall not fail. After calculating a column, beam or slab and placing the metal of reinforcement near the tension side, or the side liable to be stressed with tension, there should be at least two inches of concrete as a fire protection. This extra concrete should be beyond and over the figured cross section of the member, for should a fire or conflagration attack the member, dehydration and spalling will occur for the two-inch depth. Then how shall we replace this destroyed surface? We who have experienced the difficulty of attaching new concrete to old know what it means to repair such material or make the proper junction of the new and old concrete. Understand when dehydration takes place it is a chemical breaking down of the real strength of the concrete mass. Undoubtedly in first-class construction reinforced concrete should receive proper fire protection. In the minds of many, whenever a material is non-combustible there seems to be immediately established the idea that it is fireproof. Fireproof does not simply mean that a material will not burn, but that in addition it is a protector against fire. Frequently one will notice the label of fireproof on a building when, in fact, it is not much better than a firetrap. Modern fireproofing in building construction has reached that stage where all materials are so arranged to assist to prevent fire from nearly every point of attack. The structural parts are surrounded with a resistant material, windows are in metal casings, wire glass is used, door are metal, the trim is metal, elevator shafts are enclosed, hallways are protected by fire doors and the whole plan tends to limit an interior fire to



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a certain unit. To-day after looking over our enormous fire losses it seems almost incredible to think of erecting buildings, the walls of which are either brick or concrete and the interior is of wood. The certain test will come upon this improper fireproofed building and then will much criticism be heard of the construction, when at this date those who have at all studied the problem are sure of their ground. The ordinary fire develops between 1,500 and 2,000 degrees F. of heat. Concrete dehydrates between 500 and 1,000 degrees F. As the heat penetrates the mass, it loses its intensity, and yet with a wooden interior, which means in case of fire an intense heat, the walls will be destroyed. Should the brick walls be properly constructed the wood may burn out without destruction to the brick, as it is a material not deteriorated by the heat of such a fire. With such construction we must build our real fireproof buildings doubly well in order to resist the outside hazard.

The most inconsistent thing I have seen done in concrete is to erect structurally large warehouses and store buildings to hold much inflammable material without properly fireproofing the concrete, and then labeling the building fireproof. Again, in erecting power houses of reinforced concrete where electricity is generated or used, provision should be made to avoid possible electrolytic action in damp concrete.

The highest type of structure, that is, steel frame properly fireproofed, reinforced brick curtain walls with cement mortar, and partition walls of porous hollow tile will not cost any more than concrete properly handled and be superior as a building and fire resistant. It is far cheaper to build fireproof, but extremely difficult to show that a 10 to 25 per cent. extra on first cost is a better investment than the original cheap plan. Look at the insurance rates, maintenance or upkeep, and the comparative shorter life of the structure. In the struggle to get a cheap construction we overlook much, and therefore get inferior work. Frequently it is amusing to note the cuts demanded in a plan by a client whose opinions are formed largely through vague notions, clever advertisements have brought to his attention.

Much well directed advertising has placed concrete into the position of adaptability for the construction of every known need. Much experimenting and discussion has been carried on and still it remains a material in need of much well ripened judgment in its use. Failures are occurring without stop, creating losses of life and property. In the face of this you find advocates demanding even lighter work. The making of concrete is a chemical process and needs care and attention, but

usually the cheap labor is employed to mix and deposit the material. This mistake is a serious setback to the material and those people permitting of flimsy, skinned concrete construction are positively jeopardizing future work.

Let us go back for a few years and determine a few changes. In the early stages concrete was mixed "dry," rammed into place until the water flushed to the surface; then came the reinforced type and very wet concrete was the order of the day to thoroughly enclose the reinforcing metal. Now the best practice demands a mushy concrete so that it will not run so readily. Under the sloppy-mix plan the cement became flooded, latence formed and my observations on different work plainly convinced me of these weak seams in the work, destroying monolithic construction and practically destroying the general plan of reinforced concrete. I have personally knocked off great slabs of beam concrete on account of these very seams. To-day look at the various concrete walls exposed to view and trace the floor lines on the outside of the building where the pour of concrete stopped and then continued, a line of cleavage not as strong as the body of the wall and a point of leakage. Examine closely the walls and you will find them greatly cracked unless enough reinforcing metal is used to prevent shrinkage and temperature stresses. This extra metal causes an additional cost and ordinarily is not used in building work.

The University of Michigan has experimented with change of volume of concrete and deduced some extremely valuable information. However, it is hoped the line of experiment adopted by these people may be continued that we may get much needed information on concrete construction. They found that ordinary concrete shrinks in air about twice as much as it expands under water. The first uses of concrete was below the ground line, such as foundation work. Here it amply justified its use and engineers and others undertook to extend this use to various constructions where cement is less stable. It proved so successful in damp places by its non-shrinkage that it was unthoughtfully used in above ground constructions, cured in dry air, where conditions were directly opposite. Shrinkage took place with the consequent internal stresses of which designers took little or no cognizance.

Much information has been obtained on concrete. Much more must be obtained in order to get the work of more uniform grade. Few engineers have had the chemical training to study thoroughly this chemical material, the value of which rests so largely in its

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make, design into work and its handling in the execution of that work.

The wet and dry stresses have only lately been investigated. Emerson in 1904 determined approximately that reinforcing metal in concrete cured under water has one thousand pounds of tension per square inch of metal. In air the stress is approximately twenty-five hundred pounds of compression in the metal, while the tension of the concrete in which it is weak is sufficient to demand the attention of the designer. Again, it was found the leaner the mix the less the expansion or contraction. This leads us directly to the use of mortars, their action and the proper consistency of them.

Cement mortar of one part of cement to one part of sand is rich and strong, but when it sets in air numerous cracks of shrinkage take place. Reduce the mortar to one part of cement to two or three parts of sand, and in setting the shrinkage cracks are greatly reduced. You have undoubtedly noticed large patches of cement mortar finish on the exterior of a concrete building flaking off. Perhaps for two or three years it remained intact and then began loosening and breaking away from the base or body. The junction between lean concrete of the body of the work and the richer cement mortar of the finish firstly did not have a proper bond, then when the mortar alternately wet and dried, the action broke the bond at the line of least resistance and the flakes dropped off. The main body of concrete should be cleaned of all loose flakes torn by stripping the forms and the surface left rough if we are to finish with cement mortar. Do not use rich exterior finish, but comparatively lean, and finish the surface in dash work or rough that the small shrinkage cracks will not be disagreeable to the eye. If brick walls are to be finished with cement mortar plaster, rake the joints that the mortar may key itself and reduce the liability of flaking. In both instances be sure and wet the walls well before the application of mortar. For cement finish to floor slab of concrete, the mortar again should not be too rich. The slab should be thoroughly cleaned and water soaked before the application of the finish. In damp basements in the shade, you have noticed how well the top finish acts without cracking, and in the story above in the drier air, cracks show. Shrinkage is taking place and it must show



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in the low tensile strength of the cement mortar. If we could get a material which in setting in the air did not change its volume, we would thus produce an ideal condition.

For brick work, if we had a cement mortar of one part cement to two or three parts of sand and about 10 per cent. addition of lime paste for fattening, we may make a wall that will be as strong as the brick. You cannot get a brick from the wall without breaking it. I have constructed such work on a steel frame with the result that the brickwork was equal to any monolithic construction.

It is remarkable the mortar we use. The ordinance of San Francisco to-day makes lime mortar one part lime to not more than five parts sand measured dry. Cement mortar is one part cement to not more than three parts sand. A combination mortar of lime, cement and sand shall be one part of cement to not more than six parts of the lime mortar. Let me here present some facts. It requires about three volumes of sand to one of lime paste to allow the paste to surround the particles of sand and fill the voids. The volume of the resultant mortar is just about equal to that of the sand. Where this mortar is used in thick walls, the mortar may be many years in setting, as the air is excluded and the carbonic acid has only reached a portion of it. Therefore, in thick walls, cement mortar is preferable, both for strength and complete set, as the chemical action takes place in the interior of the mass equal with the other portions. Discussion on mortars always brings forth many views, but it is a well-known fact from tests and experience that lime mortar tempered with cement increases in both adhesive and cohesive strength as the volume of cement increases. For this reason I wish to call to the attention of builders a scheme for the classification of structural mortars, grading them up to cement mortar of about the mix, one cement, two and one-half sand, and lime 10 per cent. for fattening. From personal observation of much mortar in brick work, it is my earnest belief that a plan of classification would be of vast importance in rating brick work. Let the standard be cement mortar and the other classes reduce to lime mortar. This is vital to the builder, to the owner, and to the manufacturer. It would give standard brickwork of such high character that poorly poured concrete giving junction lines at the point of stoppages in pours

and porous concrete could not be classed in comparison for homogeneity and continuity of strength.

At this point I would suggest and recommend some municipal authority to exercise a power over brickwork construction to see that each and every contractor lived up to the class of work specified and make each job fit the value anticipated. This may seem a trifle premature, but I think not, because any construction needs the strictest attention and sometimes heroic measures are necessary to accomplish results. What we want is the work as stipulated, honest measure in the buildings.

To-day in San Francisco we are building many steel frame structures with curtain walls of reinforced brick eight inches in thickness, and wisely, too, for in good hard burned brick we have the best fireproof material extant, a material that goes through fire and comes out unharmed in strength. The curtain wall of this material is better able to resist external fire. Should the heat be sufficient to destroy the mortar between bricks, such occurs but about one-half inch deep. This can be raked out and pointed at a minimum of cost. A curtain wall of concrete subject to the same heat would dehydrate about one and one-half inches in depth, then how shall we replace the deadened material. This ever present question of making two pours of concrete adhere, is one of the stumbling blocks to the monolithic idea. We must take this as it is. Perhaps at some later day we may perfect concrete deposition so that we may avoid such annoyances. Right here let me give you a lesson on these two walls. While the forms for the concrete walls are erected to the roof line in one case, the reinforced brick wall is completed to that line in the other case. With the high priced skilled labor and the brick wall as against the cheaper labor on the concrete wall, there can be effected a saving of from 10 to 15 per cent. in cost on the reinforced brick construction over the other wall. Are not these features worthy of consideration when a better fireproof wall is given in reinforced brick and cement mortar and its rigidity as tied to the steel frame will resist lateral action equal to any construction known.

In this connection it may be explained that the reinforcement of brick curtain walls on steel frame consists of vertical rods not less than one-half inch diameter spaced twenty-four inches on centers. They penetrate the center of the eight-inch brick wall and are fastened to the frame properly, either turning over the rod ends or placing nuts on them where they pass through the made-up section of steel. Erect a steel frame building, make the walls of reinforced brick, fire proof the structural parts, make your floors of slab construction and the work need not delay to wait for the material to cure. Concrete floor beams are treacherous during the first three or four weeks after they are cast. They are new and weak and certain tensile stresses are developed. From observation it seems that the tensile stresses reach a maximum in about

three months, although the concrete gains strength long after this period. The volume changes have also reached their limit in about the same period. Just when to remove the forms is a question depending upon the rapidity of curing the mass. However, several weeks should elapse before their removal as local conditions may affect the time necessary for self-support of the work and prevent partial unseen and indeterminate rupture. Many times have I seen forms removed from beams, then after a few days vertical cracks occur penetrating the beam to its neutral axis. Remember these forms were left on four weeks before removal. Structural steel does not require any such care. It goes into the work ready to assume stress immediately—no wait for curing—no fear of removal of forms prematurely. In fact, it is made off the job, delivered, simply riveted into place ready to do its work. Again, note the inspection—steel making and rolling is watched by experts while reinforced concrete receives no such close scrutiny during formation.

From the structural part of the building we may pass to floor construction and determine some of the features dominating this work. With the manufacture of steel, wrought iron shapes and cast iron columns, brick arches were constructed springing from the lower flanges of the beams with a span of three or more feet. This plan did not protect the lower flange of metal beam so that when a fire occurred the beams gave way, dropping to destruction the whole floor. From brick arches there was tried arched corrugated metal in the same relative position as the brick. Over this metal was filled a lean concrete for the floor and again unprotected metal beam flanges during fire precipitated the floor to destruction. Then came buckle plate flooring of heavy cast iron dished in the form of a flat arch and set between two or three feet apart. On these was poured concrete for the floor, but the same unprotected metal resulted in disaster in fire. Sometimes buckle plate was of wrought iron and was largely used for heavy construction as factory plant and warehouse work.

Hollow tile then became a material for floor arches. Many schemes were devised and much floor construction done along these lines. Upon the greater use of concrete there was adopted the reinforced concrete floor slab. This work seems to have met with general demand and great latitude has been given recent work of this nature. Again, the tendency is to lighten the slab. This is wrong. There is positive need of a thicker slab, fireproofing the metal on the tension side of the slab. Surely most of us have walked over a floor of reinforced concrete construction and noticed cracks indicating the line of beams beneath. This is a defect which should be remedied, but how can it be done. Reinforcing metal must be placed over the beam and near the top of the floor as much tension occurs here. Then tell how we shall keep the air dried concrete from shrinking, a requisite to prevent these unsightly floor cracks. A few years ago I placed a large thin slab of



reinforced concrete as a dam facing in which there was enough metal to take up temperature stresses, but along the edge of the slab occurred shrinkage cracks in the concrete proper. The old brick arch plan of floor construction will prevent these unsightly cracks but the expense is greater than the concrete slab plan.

The brick man knows well that his product used in walls adjusts through the joints, temperature, etc., and only unequal settlement of foundation or excessive exterior forces will cause rupture cracks. No doubt where sidewalk lights are required for our city buildings brick arches will give tighter and more stable work than concrete. You see the close attention given these lights in order to make them watertight and then regard the far lesser movement of the brick arch work and its superiority, for this point becomes immediately apparent.

Another important item that goes to make for good work is the class of partition walls. Porous hollow tile is the best wall material in use to-day. Brick is excellent but heavy, and concrete has not only the same objection of being heavy, but additionally is solid and therefore more resounding than hollow tile. Plaster on metal laths or wire mesh is much used, but is a very poor fire retardant. Hollow tile should not be the hard burn. In the building of a partition of tile on each course there should be spread a layer of galvanized wire mesh as wide as the thickness of the whole tile so that the mortar will key itself into the hollow openings of the tile and thereby strengthen the wall and give it much rigidity. The old plan allowed the mortar only on the thin shell and webs which structurally was of little value. The scheme quoted above, however, does away with clips and gives excellent and practical results. All tile partition work should be constructed with the strips of mesh. The hollow tile when of proper dimensions, not hard burned, and set up with a good bond in the best fireproof and practical partition wall we can construct. Improper tile, set snug against a beam without allowance for an expansion for great heat may buckle and cast off allowing of no protection. The fireproofing of columns and beams with wire lath and plaster has but little value, concrete is good but tile will give best results. In case some of the tiles spall they may be taken out and be readily replaced with a minimum of expense. In concrete fire proofing, should it dehydrate the whole protection must be replaced.

An extremely interesting study in concrete work is the various schemes to take up temperature stresses with expansion joints, and

heavy metal reinforcement. There seems to be very divergent ideas about this matter, but it has some features the solving of which are important. How can we plaster a long straight concrete wall which is bound to crack unless expensive steel reinforcing is used to offset temperature differences. I have experienced such a plight and cannot keep the plaster from showing ugly cracks—an expansion joint is of no value as it is made to move—therefore the plaster cannot be continuous over the joint. Brick walls may be handled without this trouble. In engineering works proper expansion joints are used, but in buildings where a unit or the whole structure may be subjected to an intense heat from fire may not an internal rupture occur on account of unequal expansions due to excessive heat at one point and air temperature simultaneously at another point. Here is opportunity for study between steel and concrete structurally used.

The waterproofing of both brick and concrete walls has received an enormous amount of study and experimentation. External paints, washes and cement finishes have been applied, some partially successful, others of little value and still again others without any merit whatever. Many schemes for waterproofing concrete by mixing in the mass some emulsion, powder or other material have been tried. Frequently we hear of a success of this or that mixture, but let us look at the matter from a practical point of view. Watch the erection of a concrete building, note the porosity in walls and various parts. What good will the internal mixture do? I have experienced this. Certainly in a laboratory we may get good results, but just as certainly on the work the conditions are not the same. We must fill up the porous concrete to make it damp proof or else we must pour dense concrete with practically no pores. Many arguments on porous concrete are indulged in where it is subjected to alkalis in engineering work and for building work it brings out the following facts for avoidance. Be sure the water for the mix contains no alkaline salts and that the aggregate has no ingredient that will mix with an alkali, as failure have been known to occur for these reasons.

It is for the architect to determine his materials to carry out his views. To-day we note the use of veneer brick on concrete buildings and we should look over the field and see the more artistic structures. Take those of concrete and then those of brick, on the one hand we have one material of practically one color, on the other we have a material of various shapes, sizes, and colors capable of many combinations. The modern

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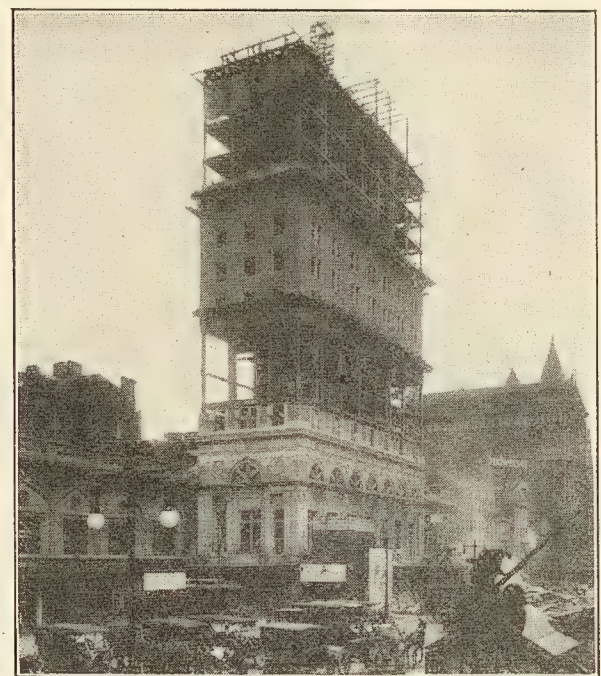
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manufacture of brick has brought into the market a material which has no superior as a fireproof and fire resistant, capable to withstanding when hard burned and built in pier for test with neat cement mortar a compressive stress practically equal to that of cement mortar of a one to one mix and much more rigid.

The first cost of construction has much to do with the use of materials, but not always does the owner by this plan profit. Quite frequently, shortly after completion of a building it is necessary to go to some expense to remedy some defect. Then to get this matter properly fixed he spares no expense but must have the repair or change done without delay and at an expense which certainly makes his cost go beyond an original good construction and does not give him a first-class job. Have you not seen this happen. There is no ques-

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tion about cheapening construction on account of first cost. Deep consideration should be given this matter and for permanent investment it must be avoided on strictly business lines.

We need good designing and good honest execution of work for good results. Nothing short of good clear architectural and engineering skill and judgment will produce good design. In execution we need honesty, business intelligence and sufficient skill to carry out the intent of the design.

I have endeavored to bring to the attention of the builders and laymen some vital facts concerning construction. If in such course I have simply directed their attention to study of a problem affecting our whole civic make-up the effort has its value.

### PLUMBING NOW A SCIENCE.

The days of the master plumber, as the term master plumber was understood thirty years ago, seem to be passing. In his place there has arrived the sanitary engineer.

The comprehensiveness of the sanitary engineering business can fully be grasped by following the work of a small army of plumbers on a modern skyscraper. In a new building of fifty-five stories that is now in course of construction, the sewer, water supply and drainage systems are not the least important items in the construction of the building.

All sewer connections in this building have to be carried to the public sewer; the public fixtures above the basement floor have to have a gravity system of drainage and sub-basement floor a system of drainage to an air-tight sewage pump. Then again a system for the discharge of all rain water from the roof, balcony and other exposed parts of the building to the public sewer. Then separate systems for the water drains, ash elevator, steam blow-off, heating, refrigerating, sinks, drinking fountains, kitchen refuse and other things.

The plumber has also to provide for a separate water supply system inclusive of flushing systems, water cooling and filtering, jackets for water cooling, vacuum cleaners and boiler feeds, and a system for the gas piping for kitchen cooking and emergency lighting, connections to different pumps and sewerage tanks, and also a means of breaking the fall of the water from a height by traps and offsets.—“Modern Sanitation.”

An advertisement should stick out like a sore thumb without being so sensitive.—“Novelty News.”

### PROPORTIONS OF CONCRETE FOR MONOLITHIC CONSTRUCTION.

The following proportions of mixture for plain or monolithic concrete construction were given by DeWitt V. Moore in the course of a paper read not long since before the Indiana Engineering Society:

It is usual to specify 1:2½:5 or 1:3:6 for the proportions of cement, sand, and gravel for plain or monolithic concrete work, and the usual specifications for reinforced concrete are 1 part cement, 2 parts sand and 4 parts gravel, although some specify a richer mixture for columns. Inasmuch as there still exists a general ignorance on this point, whereby these specifications are understood as being 1:7½ or 1:9 or 1:6, respectively, it would seem that the best specifications should read that a mortar should be mixed of one part of cement to so many parts of sand, and this mortar should then be mixed with so many parts of the aggregate.

The ideal mixture of concrete assumes that the aggregate and mortar are mixed in such proportions that the most dense, solid, and homogeneous mass is secured. This result may be secured by expert engineering supervision, but in reality the good common sense of the expert concrete laborer may be depended upon. The artisan who is accustomed to handle concrete can determine, by the appearance of the concrete mixture and by working the mixture, whether he is securing the best results.

### FRAGRANT-LEAVED WINDOW GARDENS.

One of the most interesting sort of window gardens is that composed of plants with fragrant leaves that give off the living perfume whenever they are touched. Such a little garden may readily be made in a window-box, either inside or outside, and will prove its value.

Nearly everyone is familiar with the fragrance of the rose geranium, but comparatively few people know that there are many other scented-leaved geraniums. One of the best of these is the mint-leaved geranium which has a pungent perfume much like peppermint. Its leaves are beautifully curved and have their surfaces covered with fine hairs, giving the plant a very distinctive appearance. It thrives in a window-box and is one of the most satisfactory plants for such use. The apple-scented and lemon geraniums are also good for this purpose.

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## Architectural Notes

As an indication of the intelligent and appreciative attitude of the press toward the architectural profession and more particularly toward the institute and its stand on the subject of competitions the editorials quoted below are worthy of passing comment. The first is from the St. Louis "Times;" the other from the St. Louis "Republic" and reflect the feeling of the press and public in that city at the satisfactory beginning and conclusion of a well conducted competition:

\* \* \*

### A SOURCE OF JUST PRIDE TO MISSOURIANS.

(Editorial from "Republic," St. Louis.

Reserving for more leisurely comment the stately design for the new State Capitol which has just been accepted by the Capitol Board, the "Republic" desires to congratulate the people of this Commonwealth upon the manner in which the selection has been made.

For the first time in the history of American architecture a State Capitol design has been selected in conformity with the rules of the American Institute of Architects. Never was there a competition more impartial. The preliminary competition brought forth sketches of sixty-nine different buildings. From among these ten were selected by a jury of experts. An examination was made into the professional and business standing of the ten firms so honored and an honorarium paid to cover the cost of production of complete designs.

The three architectural experts selected from the institute and the four Capitol Commissioners were a unit in the choice of the successful design. No one of the Commissioners knew when the final choice was made whose design they were approving.

In this important matter, of deep interest to every citizen of the State, Missouri has set an example to the country. It is under such conditions that great buildings are produced and truly monumental architecture made possible. In view of the history of the selection of designs for the State Houses of certain Western Commonwealths, the action of the State Capitol Commission appears the most admirable.

\* \* \*

### ARCHITECTS AND THE CAPITOL.

(Editorial from "Times," St. Louis, Mo.)

The members of the American Institute of Architects have rendered a valuable service to Missouri by winning their contention that in the submission of plans for a new State Capitol, the work should be genuinely competitive.

The State Capitol Commission has announced its willingness the further the competition idea; and if its concession to the architects has not been complete, it still indicates a willingness to be fair.

There has been no charge from the press that the Capitol Commission has wilfully

opened the way for irregularities in the work of constructing the new Capitol. But in view of the methods which have prevailed in other Commonwealths in similar circumstances, there is need of every possible precaution to prevent the charge of favoritism or political influence in a work which should be held clear of favoritism and politics, if it is to be done well and honestly.

The position taken by the architects is, we believe, one which would be insisted upon by thoughtful taxpayers. They demanded simply that the plans submitted for the new building should be without identification, and that they should be chosen upon their merit, the name of the architect being revealed only after the choice was made.

On no other terms would a very large majority of the leading architects of the United States enter the competition by which plans are to be secured. They asked for a system under which no fraud would be possible. The original system submitted by the Capitol Commission had not this merit; and the gentlemen composing the commission are therefore to be commended for an action which makes their position and intention fairly clear.

\* \* \*

Delegates and alternates to the National Convention of the American Institute of Architects, to be held in Washington, December 10, 11 and 12, have been chosen by the Philadelphia Chapter of the organization.

The annual meeting of the local chapter has been held and reports of committees considered. The following officers for the coming year were elected: John Hall Rankin, president; M. B. Medary, Jr., first vice-president; William D. Hewitt, second vice-president; H. W. Sellers, secretary; George I. Lovatt, treasurer; Walter H. Thomas, librarian and recorder.

Executive Committee: D. Knickerbocker Boyd, Arthur H. Brockie and J. P. B. Sinkler.

Delegates to the convention: Charles L. Borie, D. Knickerbocker Boyd, E. P. Bissell, A. H. Brockie, T. H. Kellogg, Albert Kelsey, John Molitor. Alternates: Charles A. Ziegler, Walter H. Thomas, C. C. Zantzinger, Alfred H. Granger, William Plack, Wilson Eyre, Jr., Thomas Nolan, E. C. Evans, J. L. Heacock.

\* \* \*

The Forty-sixth Annual Convention of the American Institute of Architects will be held in Washington on December the 10th, 11th and 12th, 1912.

The topic to be considered by the convention will be the Relation of the Fine Arts, Sculpture, Painting, Landscape and Building to each other. We expect papers by prominent men on each branch of the subject.

A meeting of the Board of Directors will be held on Sunday, the 8th of December, in the Octagon.

On Monday, the 9th, the various committees

of the institute will hold meetings so as be able to report promptly to the convention.

On the evening of Tuesday the 10th representatives of the different Chapters of the Institute on Education, Competitions, Membership, and Public Information will have an opportunity to meet and present the views of their respective Chapters on these subjects. Arrangements will be made so that those interested in each subject may meet in a room by themselves. Each Chapter is urgently requested to send representatives to take part in these conferences.

On the evening of the 12th the annual banquet will be held, at which we will have distinguished speakers who are interested in the Fine Arts.

GLENN BROWN,  
Secretary.

\* \* \*

Plans have been completed for the international building exhibition to be held at Leipsig from May to October, 1913. It is expected to demonstrate the surprising progress which the art of building has made in the past twenty or thirty years. The official participation of foreign governments and the great influx of foreign visitors anticipated especially of state and municipal officers and experts, will afford exhibitors superior opportunities for making valuable connections. The classification plan for exhibits embraces eight sections, as follows:

- (1) Architecture.
- (2) Literature of architecture and building; technical educational institutions; office requisites for architects and engineers.
- (3) Building materials, their manufacture or preparation and use.
- (4) Machines, tools and apparatus used in building.
- (5) Sale and purchase of building land; building finance; estate agencies; insurance in connection with dwelling houses; bookkeeping for builders and architects.
- (6) Sanitation for dwellings, factories and streets; protection of workers from injury, first aid and other provisions for their health and comfort; precautions against fire; old-age and invalid insurance.
- (7) Gymnastics, games and sports.
- (8) Testing of building materials, technical demonstrations.

The exhibits in the various groups may include parts or actual buildings or constructions, and demonstrations as well as models, drawings, photographs and other appropriate representations.

Further information concerning the exhibition may be secured from the management, No. 1 Windmuehlenweg, Leipsig, Germany.

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PHILADELPHIA, PA., OCTOBER 30, 1912.

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St. Louis Architectural Club  
Washington Architectural Club  
Architects' Club, U. of Illinois  
Topiarian of Harvard  
National Society of Mural Painters  
San Francisco Architectural Club  
Detroit Architectural Club

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Publicity and Promotion,  
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University Fellowship.....Emil Lerch, Ann Arbor  
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Traveling Scholarship,  
Percy Ash, Washington, D. C.

## PHILADELPHIA CHAPTER A. I. of A.

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## Editorial Comment

The current number of "House and Garden" presents an attractive paper from the pen of Mr. H. Donaldson Eberlein on "Stenton," one of the best known of Philadelphia's colonial seats, built in 1728 by Penn's secretary, James Logan. The paper is one of a series to be prepared dealing with colonial architecture in the original. The series will be suitably illustrated with exterior and interior views of the houses selected.

\* \* \*

That devising a building code is a task of more than ordinary magnitude and one to be approached in a spirit of deliberation and research rather than of haste and impulse is evidenced by a discussion which took place quite recently in the city of Cleveland. This enterprising Ohio municipality adopted not long since a brand new building code which was heralded at the time as the most complete thing of the kind possible to human ingenuity.

It was a model, we were told, of everything that an up-to-the-minute building code should be, embodying in its provisions clauses covering not merely the common, or garden, cases peculiar to everyday building routine, but anticipating and meeting in advance, as it were, all the knotty and vexatious problems involved in or in any way possible to the years to come. Now mark the aftermath. A former inspector of buildings, Mr. Virgil G. Marani, discussing this new building code, remarks:

Acting under the provisions of the new Municipal Code, on March 9, 1903, the Mayor of Cleveland appointed a Building Code Commission to prepare "a suitable, complete and comprehensive code of building laws" which became operative July 5, 1904, and from that date has been the object of much criticism by engineers, architects and builders from every part of the union.

"The compiling of this conglomeration of specifications, building regulations and conditions cost the city of Cleveland about \$32,000," he declared.

"It can hardly be conceded that the commission complied with the Mayor's request that they 'prepare a comprehensive code of building laws,'" he added, "as the number of plans returned and rejected, to be redrawn, involving loss of time both to the architect and builder are proofs, in a measure, of anything but the comprehensive character of the code."

Mr. Marani went on to say that at the time the code was passed by the city council there were over 800 active building operations in progress scattered over forty-five miles of Cleveland territory, upon this field of operations the building inspector was required to see that the 1,100 regulations imposed by the code were carried out, but for this purpose he

was allowed but five outside inspectors, including one for iron and steel, one for masonry, one for carpentry, one for heating and one for elevators.

The speaker then went on to enumerate some of the many duties these inspectors were required to perform and proceeded to show many of the sections were totally contrary to each other.

"Section 202," he said, "calls for a permit before commencing or proceeding with the erection, construction, enlargement, alteration, repair or removal of any building, structure, etc., while section 220 declares that permits are not required for minor interior repairs where there is no interference with the construction of a building for repairs or partitioning off in buildings which do not involve any change in their supporting walls, members or structural parts."

Mr. Marani proceeded to show how the sections regulating bill boards on tops of buildings, illuminated signs, etc., conflicted with each other and had been one of constant embarrassment to the Department of Buildings for many.

\* \* \*

An interesting discussion followed Mr. Marani's address. Virgil D. Allen, the present inspector of buildings, said that he was glad Mr. Marani had been made chairman of the Building Code Committee of the Society because it would give him a chance to benefit by his experience in the work he was trying to do to straighten out some of its crooks.

"It is my intention," he said, "when changing the Code where there might be some serious though required to send notice of the proposed changes to this society and to the Chapter of the American Institute of Architects, and I am asking their committees to have point meetings or separate meetings if they desire, and make such suggestions as they may see fit."

Mr. Hammond said that he was speaking for himself alone, but that he had been constructing buildings in Cleveland for a great many years and had seen the city gradually increase in size and in a better class of buildings all the time.

"We used to get along pretty well," he said, "architects, engineers and builders when, all of sudden, it seemed to be discovered that everything was wrong, nothing was good enough, nothing was right. We all seemed to be in great need of a dose of paregoric. It was administered to us by way of a new Building Code and everybody was delighted.

"Then we got along all right for a time till it was again discovered that there were some defects in the new code. Some thought it was cross-eyed, others thought it had the rickets. Cleveland was congratulated that it did not happen to be twins.

"There were so many good points about the



Building Code just as it is now that it is a pity there are so many bad features and it seems as if it would be such a very simple thing to remove the bad features and retain the good. It does not seem as though it would be a great deal of work to take a pair of scissors and a paste pot, which probably helped construct it, to reconstruct it. It is not necessary to be a text book. It is not necessary to teach architects and engineers how a building should be built. They are supposed to know something about that before they start at all. I believe that this code should be rewritten. I believe Mr. Marani has done excellent work along these lines. The engineers have an easy time of it. It is the architects who have the trouble because much of the code is not easy to understand. I was going to suggest it ought to be a good way to have the engineers select a member by ballot, the architects do the same and the lawyers who are interested should also be represented and thus take up the question scientifically."

Other members participated in the discussion and Mr. Marani made a closing summary in which he remarked:

"As Mr. Hammond and Mr. Vorce have intimated there is much in the Bible no longer acceptable to the orthodox Christian, so also there is much material in the code no longer acceptable to the orthodox engineer, architect or builder. The Bible has been changed and most of it dropped out entirely. We are becoming a better people with a smaller Bible. So also I think we can continue to improve our cities in building operations with less code but of better material."

\* \* \*

Mr. Willard Beahan, a veteran engineer, made some illuminating observations, in a recent address, upon the subject of "The Engineering of Men." Said Mr. Beahan, in part:

Every employer of man, that means the much denounced packer of the Saturday pay-envelope, the man whom politicians and public square presbyopians—men who are able to see things far away but cannot appreciate the cash in hand—so constantly denounce, realizes that his greatest and most constant problem is the engineering of men. There are as many sides to the topic as facets in a cut glass jar and they are all interesting.

"What were you doing last night?" asked a club man of his friend, "playing poker?"

"No," was the reply, "I was playing men."

"What is your greatest problem in digging the Panama Canal," a congressman asked the army engineer in charge, "the landslides at Culebra, I suppose?"

"Not at all," was the reply, "it is keeping my men on the job."

The most difficult and at the same time the most important branch of engineering of men, says Mr. Beahan, and that is the branch we have turned over to other men."

"The first law I ever laid down on the engineering of men is a very old law, but in

my business it is fundamental. Some call it the Golden Rule. You will find it in the sixth chapter of Luke along about the 21st verse. Freely it reads:

"Do unto others as you would that they should do unto you."

"As engineers we have gotten a good way from that. We have found out, I suppose, that it takes quite a brave man to lay down that rule in the handling of men; but when as an employer of labor, or a supervisor of it, I forget that law and fail to treat those men as I would like to be treated, I am bound to have trouble.

"The second law is that very good one of the army officers of West Point, and is compassed in that little phrase they term 'caring for their men,' meaning looking after their needs, their wants, their happiness, their welfare. I would place that alongside of the 'Golden Rule.' An army officer, be he ever so brave, is not a success if he neglects to take care of his men.

"If you expect to control labor in general—and I am now speaking of ordinary labor—three things are necessary: First there must be no dispute but what you have the authority, and the men must know that. A second requirement is that you must be absolutely right—legally, morally right. That the right is on your side and beyond dispute, having the authority and being in the right, is the final thing in handling labor is that you must not be afraid. Right makes might more than we think.

"In recapitulation I would say that as engineers, we have been lifted from our moorings. We must get back to the Stephensens and the fathers of engineering, and not only be engineers of design, but engineers of men. To do so, two things are necessary: The courage of our conviction, and the knowledge of the teachings of the Carpenter of Nazareth, 1900 years ago. 'Love your neighbors as yourself.' Now your employee should always be as your near neighbor.

"The military organization is a good foundation and couple with it the law of the army officer to care for his men.

"Strikes are blind barbarism and economic waste. Engineers can do more to prevent and and more to stop them than any other class of professional men. It is our duty. Shall we then be men of affairs in this as in so many other ways now? The present time is most opportune. The labor strike is passing. May we, ask engineers, inherit our own kingdom and thus mankind? May we take upon our shoulders this phase of the white man's burden. I commend to my brother engineers these lines of Foss as our watchword:

"There are hermit souls that live withdrawn,

In the place of their self-content;  
There are souls like stars, that live apart,  
In a fellowless firmament;  
There are pioneer souls, that blaze their path,  
Where the highway never ran;  
But let me live by the side of the road,  
And be a friend to man."

## HOT WATER "ON TAP."

Builders are often asked the following, or something like it:

"Why should I, who am about to build, include a water heater in the plans for my new building?"

This concrete question suggests its own answer, for if a man is about to build a home his all absorbing idea will be to have the building and equipment as near perfect as possible in the matter of comforts and conveniences. Therefore, the plans would not be complete—in fact, very incomplete, without some proper and ample arrangement for providing hot water for domestic and lavatory purposes.

He would better omit several other things seemingly indispensable, or, if need be, eliminate ornamentation and artistic effects, rather than sacrifice comfort, health and sanitation, by omitting the hot water supply.

Would he omit the bath tub? Certainly not, but what would the bath tub signify for comfort without hot water to complete the delight and wholesomeness of the bath.

Next to the cooking stove or range in the modern residence, the most necessary and constant requirement is hot water.

Up to a few years ago, when hot water was needed during the summer it was a case of "Polly, put the kettle on," and then wait until a scanty supply was heated. Later a small gas heater connected right with the range was attached to the boiler, and it did fairly well, provided somebody lighted it two or three hours before the hot water was needed.

The great trouble with this lay in the fact that the water was seldom ever hot at the moment it was wanted; in the waste of fuel necessary to maintain a supply of hot water at all times; and to the fact that the whole kitchen was heated up in order to secure a little hot water.

Now all this is avoided by the installation of one of the "instantaneous" gas water heaters now on the market. Some of these are set up in the kitchen, some right in the bath room. Both the automatic and non-automatic types are manufactured in a variety of sizes sufficient to meet any requirements, from the average small home or apartment to the largest hotel or institution service. The rapidly increasing sales are the best evidence of the popularity of this class of water heater.

There are also many practical and successful basement, coal burning water heaters on the market. For use in residences, apartment buildings and small plants, where it is desirable or necessary to minimize janitor services, a water heater made with a self-feeding magazine is found to be satisfactory and efficient.

Experience shows an ordinary family will use from 100 to 120 gallons or more water in 24 hours. The warm water for domestic supply should average 130 to 150 degrees.

Hence a heater should be provided of sufficient capacity to raise the amount of water required per hour, from about 40 degrees in



## Is that New Building Operation of Yours Nearing Completion?

Are you ready to show possible purchasers what you have prepared for them in the way of modern conveniences? You are not ready if the houses have not been wired for Electricity—you cannot make quick sales now-a-days unless dwellings are electrically equipped.



the winter and 60 degrees or more in the summer, to a temperature high enough for lavatory uses.

It is both economical and very good practice to have a storage tank from 50 per cent. to 100 per cent. greater capacity than the water heater. Thus proportioned, the hot water can be stored or accumulated at times when little water is being used. The heater can be run with a lower and steadier fire.

With a liberal storage tank, sudden or unusual demands for hot water are easily met, and without having to force the heater.—American Car and Builder.

### BOOST.

Fall in while the band's a playin'  
Ketch the step and march along—  
'Stead o' pessimistic brayin',  
Jine the hallelujah song!  
Drop yer hammer—do some rootin'—  
Grab a horn, you cuss, and split  
Every echo with yer tootin'—  
Jump the roost  
An' boost  
A bit.

—Exchange.

The darkest hour in any man's life is when he sits down to plan how to get money without earning it.—Horace Greely.

### THERE'S ONLY ONE WAY.

A man may guy,  
And a man may lie,  
And a man may puff and blow;  
But he can't get trade by sitting in the shade,  
Waiting for business to grow.

The finest automobile will not run when the tank is empty, and the finest space can not pull unless it is filled with copy that grips interest.—"Printer's Ink."

## Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

\*\*John R. Morron, president of the Atlas-Portland Cement Company, has been elected a trustee of the American Surety Company.

\*\*Carl Haug, Fuller Building, Little Falls, N. Y., desires catalogs, samples and prices immediately on Spanish tile roofing, patent store fronts and combination electric and gas fixtures.

\*\*The cement factory Stern (Star) at Stettin, Germany, has just celebrated the fiftieth anniversary of its establishment. The celebration occurred on the 17th of July, 1912, and all the members of the firm of Toepffer & Co., who are the owners of the works, participated. The history of this factory is the history of the growth of the Portland cement industry in Germany. Established in a small way in 1862, the production in 1864 was barely 36,000 barrels. The reputation of the cement as one of the best in Germany caused the production to grow until in 1911 it produced 515,000 barrels. The total production of the works from the time of their establishment in January, 1912, was a little over 10,000,000 barrels. The Stern factory owners, together with the Dyckerhoffs, have been among the pioneers in the industry in Germany, standing for progress and scientific development in that field. It seems strange, in considering the enormous growth in short periods of our American cement works, some of which produce in a single year more than this old established German works has produced in fifty years, to realize how fast the development of the manufacture of Portland cement in this country has been, and how remarkable that, with its enormous growth, there have been so few failures of the material.

\*\*The Insurance Society of New York will open its season of work on October 22, 1912, with the usual dinner and meeting at the drug and Chemical Club. The speaker of the evening will be Edson S. Lott, president of the United States Casualty Company, the topic, "Workmen's Compensation Laws as Distinguished from Employer's Liability Laws." The afternoon meetings, held in previous years in the assembly room of the New York Board of Fire Underwriters, 123 William street, will be continued and among the speakers are to be George Richards, Edwin W. DeLeon, Henry L. Phillips, Richard A. Deming, George A. Cullen and William B. Ellison. Round table meetings that are scheduled number eleven, the topics being evenly divided between fire and casualty insurance. The chairman of the Round Table Order for 1912-1913 is Henry A. Fiske.

\*\*An eastern manufacturer wrote as follows

to a San Francisco man whom they had appointed Pacific Coast Agent:

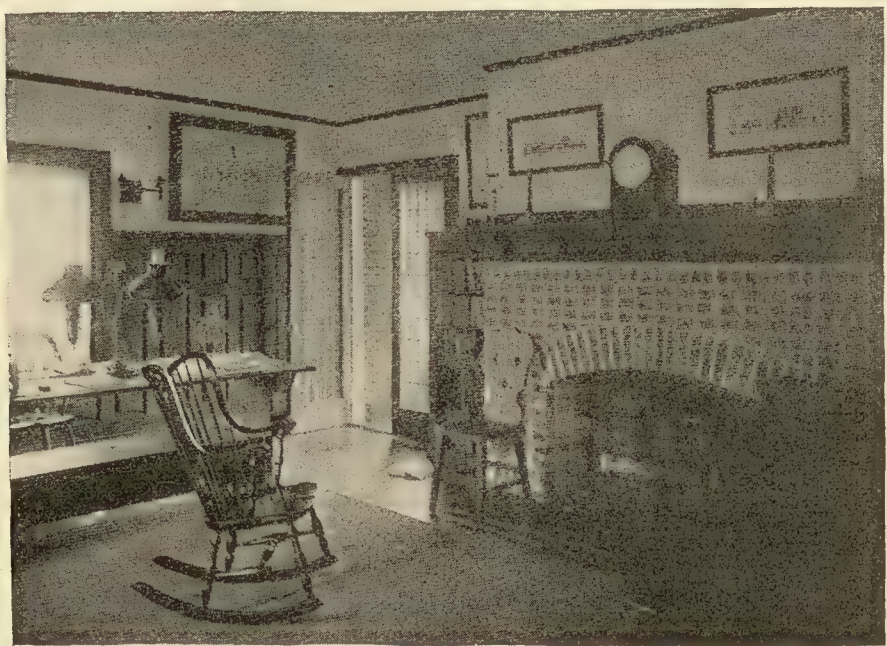
"We want you to divide your time between the various leading cities of the Coast, spending for instance, every Monday in Seattle, Tuesday in Portland, Wednesday and Thursday in San Francisco and Friday and Saturday in Los Angeles." How he is to get from Portland to San Francisco over a night, is not explained. Easterners do not realize that the distance from Seattle to Los Angeles is approximately 1,500 miles, much of it over mountain land where 30 miles an hour is average speed. By the fastest train with close connections it would take exactly fifty hours to go from Los Angeles to Seattle.

\*\*In view of the current discussion concerning markets and the cost of living in New York, it is interesting to note from the United States Consular and Trade Reports, that shops organized on the department store principle for the retail sale of provisions and groceries are found throughout Germany, especially in the industrial districts. The chief town in each district is generally used as the headquarters of the business, which is said to be well managed and prices are low. Kaiser's Kaffee Geschäft, with over 1,000 branches, is the largest concern of this kind in Germany. Those firms which cater specially for the working classes are feeling, with increasing effect, the competition of the Workmen's Co-operative Associations. These are spreading rapidly, the number belong to the central union having increased from 959 with 879,221 members and a capital of \$6,202,575 in 1907, to 1,142, with 1,313,422 members, and a capital of \$9,846,000 in 1911. There also belong to the unions thirty-nine co-operative producing associations, consuming their own produce, whose production amounted to \$20,000,000 in 1911. The union has a central office, through which the associations can buy the various goods they need. It seems likely that in course of time co-operative associations will monopolize the victualling trade of the working population. Movements of this sort are among the important influences that bear on real estate values.

\*\*The exports of Carrara marble from the ports of Marina di Carrara and from Leghorn, according to a bulletin issued by the Carrara Chamber of Commerce, amounted in 1911 to 206,559 metric tons, being 124,962 tons from the former and 81,507 tons from the latter port. The following schedule shows the quantity, in metric tons of 2,204.6 pounds, of each kind of marble exported and the countries of destination:

(Continued on page 716.)





Architects: De Armond, Ashmead  
and Bickley, Phila.

RESIDENCE OF ALLAN M. REED, CHESTNUT HILL, PHILA.



## TRADE NEWS AND GOSSIP.

(Continued from page 714.)

Marble in blocks—United States, 42,469; Belgium, 27,263; Netherlands, 11,013; Germany, 10,101; France, 7,963; United Kingdom, 6,548; Spain, 3,434; Argentina, 3,242; Russia, 2,861; all other countries, 3,668; total, 118,502 tons.

Marbles, rough, sawed into slabs, of less than 16 centimeters (0.63 inches)—United States, 2,818; Belgium, 3,145; United Kingdom, 17,141; Netherlands, 2,278; Russia, 3,930; Egypt, 4,766; Brazil, 3,813; Argentina, 20,396; Australia, 2,390; all other countries, 12,512; total, 73,189 tons.

Marbles, rough, sawed into slabs, of 16 centimeters or more—to all countries, 961 tons. Mamettes, or cubes for flooring—to all countries, 4,223 tons. Worked marbles—United States, 610; United Kingdom, 5,958; Egypt, 973; all other countries, 1,704; total, 9,245 tons. Statues, finished—to all countries, 379 tons.

\*\*A pamphlet that should be of interest to employers is issued jointly by the National Association of Manufacturers and the Manufacturers' Association of Connecticut. It is entitled "Digest of Workmen's Compensation Laws, 1912," and gives a survey of legislation in all the States. Copies are sold at cost, 15 cents each, by the Committee for Accident Prevention and Workmen's Compensation of the National Association of Manufacturers, 706 Locust street, St. Lois, Mo.

\*\*A specially appointed committee of the National Conference on City Planning is to conduct this year a study in city planning, taking an area on the outskirts of a growing city of about 200,000 or 300,000 population. The description of the area and the details of the study may be had on application to the secretary of the conference, Fiaavel Shurtleff, 19 Congress street, Boston.

## SUGI FINISH APPLIED TO CYPRESS.

American architects are taking up the Sugi process of treating woods as done by the Japanese and as adapted especially to the treatment of cypress. By this process the wood is first charred with the flame from a casoline torch and then cleaned out with a wire brush, leaving the grain raised and the surface darkened to the rich brown tones.

There are several different ways in which cypress may be treated, but the most distinctly ornamental and brilliant result is that of the Sugi process.

The process was introduced and developed in this country by John S. Bradstreet, of Minneapolis. Mr. Bradstreet, who is a landscape architect, builder, decorator and curio seeker, has traveled and lived much in Japan, and has contributed a great deal to the awakening of American interest in the wisdom and beauty of Japanese methods of house and garden planning and picturesque use of local material.

You can't hire loyalty; you have got to deserve it.—Ex.

## NEW AMERICAN ARCHITECTURE.

## An Interesting Comparison of Some of the Old and Insurgent School of Design.

In an interesting article on some of the bold things that Western architects have undertaken on their own initiative, and especially "the out-of-the-ordinary style that has been developed by the Chicago School of Architects," Charles S. White in writing for "Country Life in America," sets out the following parallel column comparison of the ideas of the conventional and "insurgent school" which will interest all house designers, professional or otherwise:

## Insurgent.

(1) Main floor frequently consists of three rooms—living room, dining-room and kitchen. Frequently these three are contained in one large room, with wings for dining-room and kitchen, screened from the living room. The library is usually part of the living-room, and all parts of the house are in close inter-relation instead of each being partitioned separately.

(2) Floor plans and elevations are in harmony that is, the exterior of the building reflects its interior arrangement, so that one viewing the building from outside, might guess its interior arrangement.

(3) Rooms are often "articulated;" that is, each department of the house is in a separate wing, the kitchen being separated from the dining-room wing, the living-room from the kitchen, and so on.

(4) Windows, arranged in groups—usually casements, opening outward.

(5) Windows and window groups are often integral features of the structure. A house is constructed around the windows.

(6) Interior walls and ceilings are usually tinted and treated architecturally with casings, moulded or plain, applied to the walls in patterns dividing each wall into one or more panels. Pictures are used sparingly for decoration, and then in many cases they are murals, applied architecturally.

(7) Furniture is usually designed especially for the house, ordinary commercial, "ready made" furniture being unadapted to these rooms.

(8) Frequently houses are built on a stone, concrete or wooden base, there being no "water table" or underpinning line between ground and first floor.

(9) Decorative glass is largely used at windows, consisting of conventional, geometric, or flower forms patterned in metal-bar or grille.

(10) Facades are frequently made up of piers, with curtain walls between, pierced by running groups of windows. Horizontal lines of cornices, window sills and window caps are frequently accentuated by extending these lines entirely around the building.

## Regular.

(1) Any number of rooms is provided, including hall, living-room, dining-room, kitchen, reception room and library. Each room is separated from others by partitions, though often connected by means of wide openings.

(2) In the best work of the regular school there is a close relation between the outside and inside of the building, though not so intimate as in insurgent architecture.

(3) The floor plan is usually conceived as a sequence of rooms arranged within a parallelogram with or without wings.

(4) Windows, single or in groups; may consist of ordinary windows, casements, or both.

(5) Windows and window groups float on a background formed by the walls of the house wherever the exigencies of the problem or the fancy of the designer dictate.

(6) Interior walls and ceilings are treated in hundreds of different ways—sometimes with wall-paper or tint, frequently with wood panels or beams. Pictures are framed and hung as desired.

(7) Any tasteful furniture may be used, though sometimes furniture is made to order, as in insurgent houses.

(8) Houses are of all types, some with and some without an underpinning.

(9) All sorts of windows are used, chiefly plain glass.

(10) Facades are handled in the variety of ways familiar to most observers.

Many a man has a "Do It Now" motto over his desk and cobwebs on his brain and dust on the desk.

When the game is advertising, specializing pays. You couldn't advertise hats in a brick magazine any more than you would advertise corsets in a tobacco trade journal. Selecting your medium depends on the class you aim to reach. If the class is architects or builders, your medium is "The Guide."

If your proposition is one that should appeal to architects, builders, building owners, decorators, material and supply concerns, "The Builders' Guide" is the right medium for your advertising and cannot fail to bring you profitable returns.

## REAL ESTATE TRANSFERS.

Summary for week ending October 26th, 1912:	
Number of transfers.....	668
Amount of transfers.....	\$2,148,916.67
Cash consideration .....	426,150.00
Mortgage consideration .....	1,722,766.67
Ground rent consideration.....	1,929.45
Which on a six per cent. basis amounts to .....	32,257.51



# Reference Directory for Architects, Builders and Owners

## Artesian Wells.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.,  
Bourse Bldg., Phila.

## Artists' and Architects' Supplies.

F. Weber & Co., 1125 Chestnut st., Phila.

## Awnings

Bernard McCurdy,  
N. E. Cor. 9th and Arch sts., Phila.

## Brick (Face, Etc.)

O. W. Ketcham, Builders' Exchange, Phila.

## Brick Renovating.

Adolph Christensen,  
1433 Brown st., Phila.

## Blue Prints

Blue Print Co., 1516 Chestnut Street, Phila.

## Boilers and Radiators.

Isaac A. Sheppard & Co.,  
Erie ave. and Sepviva st., Phila.

## Builders.

Mitchell Bros., 2125 Race St., Phila.  
Pomeroy Const. Co., 1609 Ranstead st., Phila.

## Builders' and Contractors' Machinery.

Henry T. Peirce, Bulletin Bldg., Phila.

## Canvas Roofing.

The Franklin Paper Co.,  
718 Cherry st., Phila.

## Cement.

Samuel H. French & Co.,  
4th and Callowhill sts., Phila.  
Chas. Warner Co., Land Title Bldg., Phila.  
Knickerbocker Lime Co.,  
266 N. 24th St., Phila.

## Cement and Asphalt Paving.

Wm. Krause, 1621 N. 5th St., Phila.

## Cement Colors.

Samuel H. French & Co.,  
4th and Callowhill sts., Phila.

## Cold Water Painting.

William B. Southern,  
N. W. Cor. 12th and Spruce sts., Phila.

## Concrete Engineer.

Conklin Engineering Co.,  
Heed Building, Phila.

## Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,  
10th and Chestnut Sts.

## Elevator (Lubricators.)

American Engr. & Mfg. Co.,  
Real Estate Trust Bldg., Phila.

## Engraving, Photo and Line.

Chestnut Street Engraving Co.,  
7th and Chestnut sts., Phila.

## Fire Protection Equipment.

Jas. Boyd & Bros.,  
25th and Wharton sts., Phila.

## Flag Poles (wood and steel).

Bernard McCurdy,  
N. E. cor. 9th and Arch sts., Phila.

## Floors and Floor Finishing.

Andrew Pinkerton, 3034 W. York st., Phila.  
Fritz & La Rue,  
4800 Parkside ave., Phila.  
Keystone Hardwood Floor Co.,  
7 S. 16th st., Phila.  
Thos. E. Sloan & Co., 802 Walnut st., Phila.

## Furnishers and Decorators.

Duncan & Duncan, Inc.,  
1724 Chestnut st., Phila.

## Furnaces and Ranges.

Bartlett & Co., 1938 Market st., Phila.  
Henry M. Miller, 40 N. 2nd st., Phila.  
Isaac A. Sheppard & Co.,  
Erie Ave. and Sepviva St., Phila.

## Gas and Gas Appliances.

United Gas Improvement Co.,  
Broad and Arch sts., Phila.

## Graphite Paint.

Jos. Dixon Crucible Co.,  
1020 Arch st., Phila.

## Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

## Heating (Warm Air.)

Makin Heating Co., 6 N. 18th St., Phila.

## Iron Work (Structural and Ornamental).

W. E. Wark & Co., 1737 Filbert st., Phila.

## Lighting Fixtures.

Logue-Stronge Mfg. Co.,  
435-37 N. Broad st., Phila.

## Metal Furniture.

Edward Darby & Sons Co.,  
233 Arch St., Phila.

## Metal Tile.

American Perfectile Co.,  
1526 Sansom St., Phila.

## Marble Mosaic.

Belfi Bros. & Co.,  
20-22 S. 19th st., Phila.

## Metal Doors and Trim.

R. R. Hammond & Co.,  
Land Title Bldg., Phila.

## Mill Work.

Frank C. Snedaker & Co.,  
9th and Tioga sts., Phila.

## Mortar Colors.

Samuel H. French & Co.,  
4th and Callowhill sts., Phila.

## Mouldings (room and picture).

B. B. Funston, Inc. 146 N. 10th st., Phila.

## Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th St., Phila.  
Samuel H. French & Co.,  
4th and Callowhill sts., Phila.  
Pyramid Paint Co., 131 N. 22nd st., Phila.  
E. E. Nice 272 S. 2nd St., Phila.  
Jos. Dixon Crucible Co., 1020 Arch st., Phila.

## Parquetry Floors.

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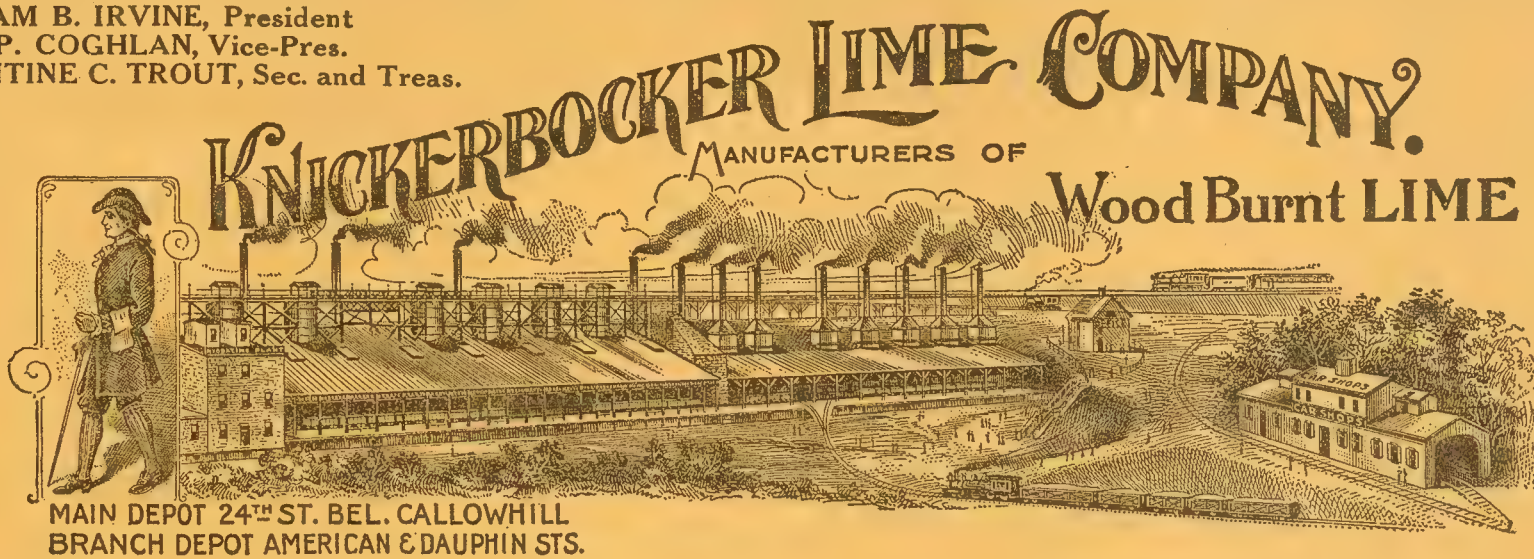
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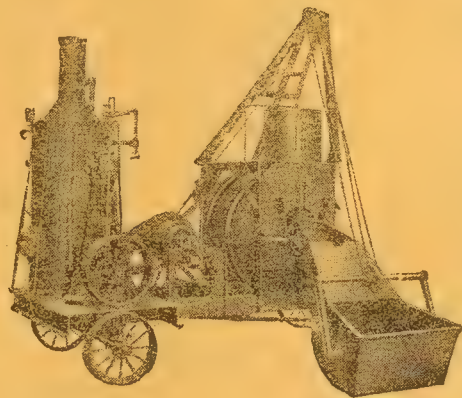
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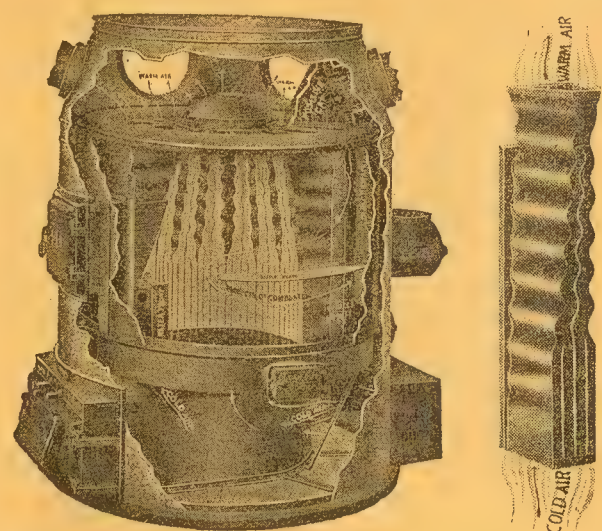
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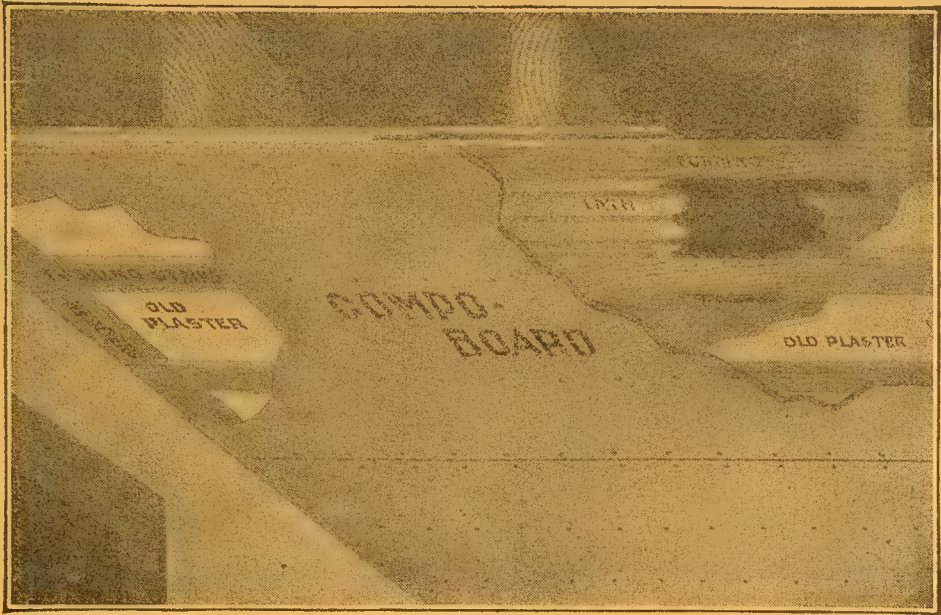
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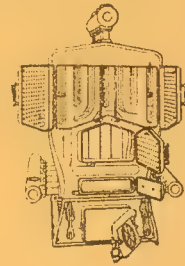
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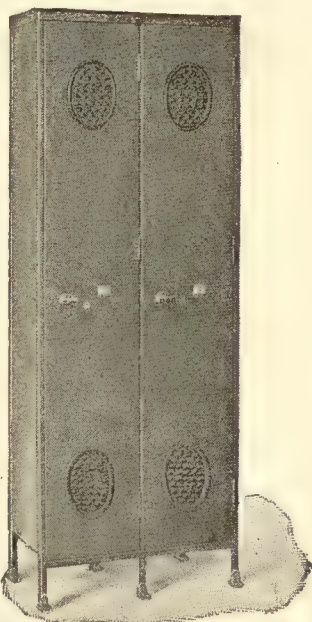
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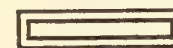


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THE PHILADELPHIA REAL ESTATE RECORD AND

# Builders' Guide

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXVII., No. 45.

PHILADELPHIA, WEDNESDAY, NOVEMBER 6, 1912.

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## Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Garage**, Beach Haven, N. J. Architect, Carl P. Berger, 1418 South Penn Square. Owner, F. Ostendorff, Thirteenth and Market streets. Brick, steel and concrete, one story, 100x200 feet, corrugated tile roof, steam heating, electric lighting. Architect in taking sub-bids on all lines.

**Passenger Station and Shed**, Spring Garden street. Architect, W. Hunter, Twelfth and Market streets. Owner, Philadelphia and Reading Railroad Company, Reading Terminal. Brick, stone and steel, two stories, 35x98 feet, electric light, steam heat, slag roof. Owners taking sub-bids due November 9. The following are figuring: Irwin and Leighton, 126 North Twelfth street; Armstrong & Latta, Land Title Building; J. E. & A. L. Pennock, Land Title Building; Charles McCaul Company, Tenth and Sansom streets; H. E. Baton, Tenth and Sansom streets; Cramp & Co., Denckla Building; J. Sims Wilson, 1125 Brown street; F. A. Havens, 845 North Nineteenth street; F. L. Hoover & Sons, Builders' Exchange; E. L. Seeds, 6314 Wissahickon avenue; Doak & Co., Crozer Building; George Hogg, 1634 Sansom street; Rydhouse-Arey Company, Fidelity Building; Charles Gilpin, Harrison Building; Brown-King Construction Company, Harrison Building; Cramp & Co., Denckla Building.

**Residence (alt. and add.)**, Rydal, Pa. Architects, Duhring, Okie & Zeighler, Bailey Building. Owner, Benjamin T. Britt, Rydal, Pa. Stone, two and one-half stories, electric light (steam heat reserved), shingle roof, hardwood floors. Architects have received bids.

**School**, Trenton, N. J. Architect, George Poland, Trenton, N. J. Owner, Board of Education, Trenton, N. J. Brick, fireproof, four stories, 76x164 feet, electric light, slag roof, steam heat. Owners taking bids due November 7. The following are figuring: Metzger & Wells, Heed Building, and A. Bottoms & Sons Company, 41 South Fifteenth street.

**Banking House**, 1326 Walnut street. Architect, Richard C. Loos, 1017 Chestnut street. Owners, Klem & Keen, 104 South Fifth street. Brick, steel and marble front, three stories. Plans in progress. Details undecided.

**Theatre**, Fifty-second and Cedar avenue. Cost, \$50,000. Architect, Louis J. F. Moore, Lansdowne, Pa. Owner, Company, care of Harry J. Koehler, Commonwealth Building. Brick, concrete and steel, fireproof, one story,

60x85 feet, slag roof, steam heating, electric lighting. Plans in progress.

**Brewery (alt. and add.)**, 3 Buildings, Thirty-second and Thompson streets. Architect, Otto Wolf, Denckla Building. Owners, Bergner & Engel Brewing Company, on premises. Brick, terra cotta, fireproof, four stories, 62x123 feet, slag roof, electric light, red face brick, granite. Architect taking bids due November 11. The following are figuring: Stacey Reeves & Sons, 1611 Filbert street; E. E. Hollenback, Fifteenth and Race streets; A. R. Raff, 1635 Thompson street; Cramp & Co., Denckla Building; F. W. Van Loon, Denckla Building; J. R. Wiggins, Heed Building; Chas. Gilpin, Harrison Building; F. A. Havens, 845 North Nineteenth street; Charles McCaul Company, Tenth and Sansom streets; J. N. Gill & Co., Heed Building; J. E. & A. L. Pennock, Land Title Building.

**Brewery (alt. and add.)**, Germantown avenue and Oxford street. Architects, Peuckert & Wunder, 310 Chestnut street. Owners, Rieger & Gretz Brewing Company, on premises. Brick and steel and galvanized iron. Architects taking bids due November 7. The following are figuring: H. E. Grau Company, 1707 Sansom street; H. C. Dahl, 213 South Eighth street; P. Haibach Contracting Company, Twenty-sixth and Thompson streets.

**Stores and Apartments (alt. and add.)**, 4902-04 Baltimore avenue. Architect, C. E. Rahn, 410 Walnut street. Owner's name withheld. Red face brick, granite, two stories, slag roof (heat and electric light reserved). Architect has received bids.

**Warehouse**, Twenty-first and Arch streets. Cost, \$100,000. Architects, Hayes, Roberts & Rehfus (Associates), 1524 Chestnut street. Owner, William H. Maule, 1707 Filbert street. Brick, fireproof, eight stories, 60x108 feet, electric light, steam heat, slag roof, elevators. Architects have received bids.

**Theatre**, Germantown avenue south of Cheltenham avenue. Cost, \$150,000. Architects, Marshall & Fox, 38 South Dearborn street, Chicago, Ill. Owner, Fred G. Nixon-Nirdlinger, 133 South Broad street. Brick, terra cotta and steel, fireproof, two stories, 75x250 feet. Plans in progress. Owner will take bids in about one month.

**Telephone Exchange**, Swarthmore, Pa. Architect, J. T. Windrim, Commonwealth Building. Owner, Bell Telephone Company of Philadelphia, Thirteenth and Arch streets. Brick, two stories. Plans in progress.

**Penitentiary**, Bellefonte, Pa. Cost, \$1,000,000. Architect, J. T. Windrim, Commonwealth Building. Owner, State of Pennsylvania. Will consist of cell house, administration building, workshops, hospital, power house, etc. Plans not yet started.

**Church and Parrish House**, Sixteenth and Allegheny avenue. Architects, Thomas, Churchman & Molitor, 1309 Walnut street. Owner, All Souls P. E. Church for Deaf Mutes, care of Rev. C. O. Dantzer, 3525 North Nineteenth street. Stone, one and two stories, 70x132 feet, slate roof, electric lighting, steam heating. Revised plans in progress.

**Theatre**, Atlantic City. Cost, \$60,000. Architects, Magaziner & Potter, 137 South Fifth street. Owner, Seltzner Bros., on premises. Brick, one story, 140x60 feet, electric light, tile roof, steam heat. Lam Building Company, 1001 Wood street, is taking sub-bids on all materials.

**Museum (add.)**, Thirty-third and Spruce streets. Cost, \$500,000. Architects, Wilson Eyre & McIlvaine, Day Bros. & Klauder, and Stewartson & Page (Associates). Owner, U. of Penna., on premises. Brick and terra cotta, two stories, 100x125 feet, tile roof, electric light, steam heat, Sayre & Fisher Hydraulic face brick, granite, Vermont, Italian White and Knoxville marble. Architects taking bids due November 12. The following are figuring: Stacey Reeves & Sons, 1611 Filbert street; J. Myers & Sons, Witherspoon Building; Cramp & Co., Denckla Building; William R. Dougherty, 1608 Sansom street; Rydhouse-Arey Company, Fidelity Building; Doyle & Co., 1519 Sansom street; F. E. Wallace, 1210 Sansom street; George A. Fuller Company, Morris Building.

**Residence**, Germantown, Pa. Architect, Bart Tourison, Land Title Building. Owner, Sedgwick Farm Company, on premises. Stone, two and one-half stories. Plans in progress. Too early for details.

**Recreation Park**, Twenty-second and Sedgley avenue. Architect Philip H. Johnson, Land Title Building. Owner, City of Philadelphia. Consists of wading pool and shelter and occupation shelter. Owners taking bids due November 11. W. E. Dotts, 148 North Second street, and Mitchell Bros., 2125 Race street, are figuring.

**Recreation Park**, Fifth and Catharine sts. Architect, Philip H. Johnson, Land Title Building. Owner, City of Philadelphia. Con-



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sists of construction of iron fence and apertences. Owners, taking bids due November 11, at noon. Wayne Contracting Company, 1214 Filbert street; Mitchell Bros., 2125 Race street, are figuring.

**Recreation Park**, Main street and McMahon avenue, Germantown. Architect, Philip H. Johnson, Land Title Building. Owner, City of Philadelphia. Consists of iron fence, stone wall, etc. Owners taking bids due November 11, at noon. Wayne Contracting Company, 1214 Filbert street, and Mitchell Bros., 2125 Race street, are figuring.

**Residence (alt. and add.)**, 220 West Upsal street. Architects, Harris & Richards, Drexel Building. Owner, John McIlhenny, 220 West

Upsal street. Stone, two stories, electric light, steam heat, tin roof. Architects have received bids.

**Warehouse**, West Reading, Pa. Architects, Savery, Scheetz & Savery, Stephen Girard Building. Owners, Crew Levie Oil Company, Land Title Building. Brick, two stories, slag roof. Architects taking bids due November 9. The following are figuring: A. Whitehead, 1624 Latimer street; F. A. Havens & Co., 845 North Nineteenth street; Metzger & Wells, Heed Building; C. O. Struse & Sons, Walnut Lane, Germantown, of Philadelphia; and L. H. Focht, George Koch, Beard Construction Company, D. H. Hunter, W. M. High, all of Reading, Pa.

**Motor House**, Wynnewood, Pa. Architects, Savery, Scheetz & Savery, Stephen Girard Building. Owner, Norman Cantrell, 6303 Ridge avenue. Stone, two stories, slate roof, electric light, hot water heat. Architects taking revised bids. The following are figuring: Mowrer Bros., Merion Pa., and A. L. Fretz & Sons, 1222 Chancellor street.

**Residence**, Philadelphia. Architects, Mills & Van Kirk, Harrison Building. Owner's name withheld. Brick, three stories, 18x60 feet, hardwood floors, electric light, tin roof (heat reserved). Architects taking bids due November 9. The following are figuring: Wm. R. Dougherty, 1608 Sansom street; Philadelphia Construction Company, 1341 Arch street; T. H. Pratt, 6621 Lansdowne avenue.

**Theatre (alt. and add.)**, Twenty-sixth and Girard avenue, \$50,000. Architect, W. H. Hoffman, Hotel Bingham, Eleventh and Market streets. Owners, Nixon & Zimmerman, Eleventh and Chestnut streets. Brick, fireproof, one story, 110x100 feet, electric light, steam heat, slag roof. Revised plans in progress. Architect will be ready for bids in a few days.

**Residence**, Hagerstown, Md. Architects, Duhring, Okie & Zeighler, Bailey Building. Owner, Dr. J. Preston Miller, Hagerstown, Md. Stone, two and one-half stories, 50x70 feet, shingle roof, electric light, hot air heat, hardwood floors. Plans completed. Owner will take bids.

**Shop**, Trenton, N. J. Architect, private plans. Owner, Pennsylvania Railroad Company, Broad Street Station. Brick, plaster and red face brick, two stories, 17x36 feet, tile roof, electric light, steam heat. Owners taking bids, due November 13th. Roydhouse-Arey Company, Fidelity Building, is figuring.

**Residence**, Cynwyd, Pa. Architects, Savery-Scheetz & Savery, St. Girard Building. Owner, Charles D. Lower, Lafayette Building. Stone, two and one-half stories, 41x25 feet; wing, 20x16 feet, slate roof, hardwood floors (electric light and heat reserved). Architects taking bids, due November 11th. The following are figuring: Metzger & Wells, Heed Building; A. L. Fretz & Sons, 1222 Chancellor street, and A. Mowrer Brothers, Merion, Pa.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Club House (alt. and add.)**, East River Drive, Philadelphia. Architect, C. E. Schmerhorn, 430 Walnut street. Owner, Pennsylvania Barge Club, Fairmount Park, Philadelphia. Stone and half timber, two stories, green slate roof. Contract awarded to F. T. Mercer Company, 1710 Delancey street.

**Factory (add.)**, Venango street, East of Kensington avenue. Cost, \$10,000. Architect, private plans. Owners, John Mawson Hair Cloth Company, on premises. Brick, two stories, 47x51 feet, slag roof. Contract awarded to James W. Orr, Bustleton avenue, near Knorr street, Frankford, Philadelphia.

**Cottage**, Bay Head, N. J. Architects, Magaziner & Potter, 137 South Fifth street. Owners, G. P. Lease, care of architect. Frame, two and one-half stories, shingle roof, electric light, hot water heat. Contract awarded to J. Stillwell, Bay Head, N. J.

**Brew House (alt. and add.)**, Thirty-first and Thompson streets. Architect, H. W. Sellers, Stephen Girard Building. Owners, J. & P. Baltz Brewing Company, on premises. Brick, slate and slag roof, electric light. Contract awarded to E. E. Hollenback, Fifteenth and Race streets.

**Stores and Apartments (alts.)**, 2102-04 Ridge avenue. Architect, private plans. Owner, J. B. Cornell, 2110 Ridge avenue. Brick three stories. Contract awarded to Frank I. Wintz, 1618 North Twenty-seventh street.

**Building (alt. and add.)**, Eleventh and Race streets. Architects, Ballinger & Perrot, 1211 Arch street. Owner, Whiting-Patterson Company, 1023 Vine street. Brick and wood construction, slag roof, electric light, steam heat. Contract awarded to A. Whitehead, 1624 Latimer street.

**Apartments and Stores**, Atlantic City, N. J. Cost, \$35,000. Architects, Magaziner & Potter, 137 South Fifth street. Owner, Samuel Seltzer & Bros., Atlantic City, N. J. Brick, concrete and steel, three stories, 72x100 feet, slag roof, electric light, steam heat. Contract awarded to Lam Building Company, 1001 Wood street.

**Residence (alt. and add.)**, Lansdowne, Pa. Architect, E. E. Henderson, 925 Chestnut st. Owner, J. C. Wright, Lansdowne, Pa. Stone and frame, two and one-half electric light, hardwood floors, steam heat, tin roof. Contract awarded to George Reilly, Lansdowne, Pa.

**Store (alt. and add.)**, 240 South Fifth st. Architect's private plans. Owner, J. Pineheiro, on premises. Brick, two stories, steam heat, electric light, slag roof. Contract awarded to George Bagg, 1634 Sansom street.

**Residence**, Media, Pa. Architect, N. Flounders, Media, Pa. Owners, Edward Ford, Media, Pa. Brick and stone, two and one-half stories, shingle and slag roof, hot air heat. Contract awarded to J. B. Flounders, 1329 Arch street.

**Garage (alt. and add.)**, Twenty-first and Ludlow streets, \$25,000. Architect, W. C. Prichett, 417 Walnut street. Owner, J. J. Short & Bros., Twenty-first and Chestnut streets. Brick and limestone, four stories, 65x185 feet, steam heat, electric light, elevators. Contract awarded to George & Borst, 277 South Eleventh street.

**Residence (alt. and add.)**, 1830 Spruce street. Architects, Brookie & Hastings, Presser Building. Owner, Dr. Joseph Sailer, 1830 Spruce street. Brick and stone, steam heat, electric light, tin roof. Contract awarded to William R. Dougherty, 1608 Sansom street.



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## Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

William Glasgow (O), 701 Brown street.  
Edward Reiber (C), 2632 West Cumberland street. Cost, \$3,000. Stable, 2306 North Twenty-eighth street.

George McGrath (O), 1715 North Twelfth street.

Adams Express Company (O), Twenty-second and Ludlow streets. Armstrong & Latta Company (C), Land Title Building. Cost, \$7,900. Garage.

John Mawson (O), Thirteenth and Somerset streets. J. W. Carr (C), Bustleton Pike. Cost, \$10,000. Manufactory, brick, two stories, 47x51 feet, Venango and Kensington avenue.

Pennsylvania Surgical Company (O), Ninth and Montgomery avenue. Gaffney & Co. (C), 130 North Twelfth street. Cost, \$10,000. Brick, three stories, 34x102 feet. Manufactory building, 1407 North Eighth street.

Davidson & Silberman (O), Eighth and Snyder avenue. Cost, \$56,000. Sixteen dwellings, brick, two stories, 13x30 feet, Eighth and Snyder avenue.

Paul Prom (O), Pike and Park streets. John Krebs (C), 3853 Germantown avenue. Cost, \$1,200. One dwelling, brick, two stories, 13x26 feet, 3942 Dell street.

W. G. Isles (O), 1021 Gilham street. Cost, \$3,600. Two dwellings, brick, two stories, 24x24 feet, K and Bergs streets.

School Lane Land Company (O), Stokley and Midvale avenue. Cost, \$10,000. Two dwellings, brick, three stories, 31x46 feet, Penn and McMichael streets.

Emil Stahl (O), 4918 North Fourth street. William Schmidt (C), 4918 North Fourth st. Cost, \$3,000. Dwelling, brick, two stories, 16x55 feet, Fifth and Solly streets. Cost, \$2,500. Dwelling.

H. B. Shoemaker (O), 24 South Seventeenth street. Isaac I. Shoemaker (C), 24 South Seventeenth street. Cost, \$7,000. One dwelling, stone, three stories, 28x65 feet, Lincoln Drive.

Gethsemane Fund (O), 1409 South Broad street. Thomas C. Trafford (C), 1613 Sansom street. Cost, \$3,600. Church, brick, two stories, 25x65 feet, Porter and Dover streets.

St. Luke's Hospital (O), Broad and Wingo-hocking streets. H. P. Schneider (C), York road. Cost, \$9,000. House, brick, one story, 33x35 feet, Fifteenth and Blavia streets.

Charles Groas (O), 2y23 Westmoreland st. W. T. Walker (C), 3930 Elser street. Cost, \$2,800. Store, brick, two stories, 16x26 feet, 2123 Westmoreland street.

William Huland (O), 424 Chew street. Cost, \$5,000. Two dwellings, brick, two stories, 16x42 feet, Fourth and Olney avenue.

Seebold & Hermnn (O), 115 East Wyoming avenue. Louis Seebold (C), 115 East Wyoming avenue. Cost, \$4,000. Store and dwelling, brick, two stories, 16x70 feet, Front and Wyoming streets. Cost, \$4,000. Dwelling.

Goodin & Provan (O), Eleventh and Market streets. James G. Doak & Co. (C), Crozer Building. Cost, \$1,000,000. Hotel, twenty stories, 84x77 feet, Thirteenth and Chestnut streets.

## Alterations and Additions

J. B. Stetson & Co. (O), Fifth and Montgomery avenue. Cost, \$3,000. Garage.

Charles H. Campbell (O), 3601 Germantown avenue. Cost, \$2,500. Stores, 3630 Germantown avenue.

Automobile Club (O), Twenty-third and Ludlow streets. Irwin & Leighton (C), 126 North Twelfth street. Cost, \$50,000. Club, on premises.

Pennsylvania Trust Company (O), 517 Chestnut street. J. Duncan (C), 920 Chestnut street. Cost, \$2,000. Warehouse, 36 South Delaware avenue.

William Gaunn (O), 258 North Fifty-second street. W. A. Patterson (C), 5333 Vine street. Cost, \$7,000. Store and dwelling, 238 North Fifth street.

Steel Works (O), Stephen Girard Building. A. R. Raff (C), 1635 Thompson street. Cost, \$2,500. Office, 533 North Thirteenth street.

S. Banahan (O), 263 Green Lane. C. M. Swarthy (C), 427 Hermitage street. Cost, \$1,500. Store, 4367 Main street.

Freihofer Baking Company (O), Twentieth and Indiana avenue. J. Bandholz (C), Jersey City, N. J. Cost, \$7,000. Bakery, Twentieth and Indiana avenue.

Churchill Williams (O), 158 West Coulter street. W. C. Wright (C), 227 Harvey street. Cost, \$1,800. Dwelling.

Mrs. Eliza J. H. Mohr (O), Oak Lane, Pa. J. Sims Wilson & Co. (C), 1125 Brown street. Cost, \$4,900. Residence.

Joseph Klar (O), 1935 North Napa street. Gelman & Clafkin (C), 706 Hoffman street. Cost, \$1,000. Store and dwelling, Cumberland and Douglass streets.

Jesse Williamson (O), Germantown avenue and Somerset street. George S. Roth & Son (C), 230 East Gravers' Lane. Cost, \$1,300. Dwelling, Germantown avenue and Somerset street.

Pennsylvania Railroad Company (O), Broad Street Station. Cost, \$1,500. Tank, Wissinoming street.

K. Ellis (O), 329 Pine street. W. O. Mahon (C), 4813 North Twelfth street. Cost, \$1,200.

Robert Scott (O), Twenty-fourth and Fairmount avenue. H. Voigt (C), Twenty-eighth and Thompson streets. Cost, \$2,720. Saloon.

## THREE CLASSES OF BUSINESS MEN.

There are three classes of business men in the universe. A man cannot be in all three classes. He cannot even be in two. He is a member of one of these three classes. It is advisable that each individual examine himself and discover to which class he belongs. If after a thorough examination you are convinced that by your attitude and business methods you are in a class from which you would like to divorce yourself, there is only one thing to do. Separate yourself immediately from the methods which you consider detrimental to your business and, putting on new vigor and enthusiasm, initiate yourself into the class among whose members you would like to be numbered. These three classes are:

First—The satisfied and contented class, the members of which are satisfied with their present positions and present conditions of their various businesses. They are contented and do not endeavor to increase the amount of their business nor the conditions of their local trade. They realize that there are various ways in which they could, with little effort, improve their present conditions of business, but they are satisfied and contented.

Second—The dissatisfied and discouraged class. The members of this class are not satisfied with their present conditions, but they lack the grit to seize hold of the opportunities that present themselves. They are discouraged. Their only salvation lies in their ability and desire to right the wrongs that have afflicted their businesses. In most cases it is necessary to revolutionize their business methods.

Third—The dissatisfied but struggling class. Those business men who find themselves in this class are what can be termed "progressives." Their success may be assured, their last year's business may have resulted in netting them handsome profits, but their aims and ambitions lead them on toward higher goals. They are not satisfied to stand still. To stand still is to retrograde. They realize this and therefore are most anxious that the present year's business shall exceed that of last year. They will remain dissatisfied throughout their business career, but their dissatisfaction is what spurs them on to higher aims.

If they should become dissatisfied and contented, they would immediately see a tendency to let opportunities slip by unnoticed, and consequently business would suffer. Lethargy is not considered a valuable asset in the business world today. It takes an active and progressive individual to harness the intricacies which arise in the industrial universe.

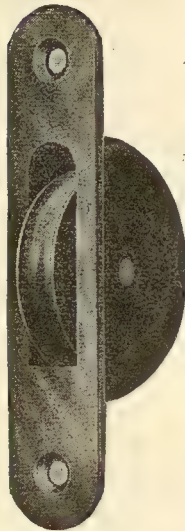
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## HOME-BUILDING FROM AN INDIVIDUAL PRACTICAL STANDPOINT

Recently a man who was interested in home-building problems put to me the following question: "How is a layman going to know when he has a satisfactory house from an architectural standpoint?" This is the sort of query that makes one stop and think, and as a builder I naturally feel that the line of argument which it opens up is one of deep importance, for it entails the consideration of not merely the art of building, but life itself. The significance of the question lies in the fact that it contains more than the curiosity of a single individual; it reflects the bewildered attitude of many home-builders to-day. As the gentleman just quoted pointed out, when professional architects themselves disagree as to what is "good architecture" and what is "bad," how shall the average person decide?

In a discussion of this nature the best plan is to go back to first principles and define our terms. We find, then, that the word "architecture" is, roughly speaking, a label applied to buildings after they are erected, usually for purposes of historical identification. When the Englishmen of Queen Elizabeth's time built their dwellings they were not consciously creating a new style of architecture; they were simply building houses. It was only in later years, when historians, antiquarians and builders wanted to classify the work of that day, that they gave it the name "Elizabethan." The same is true of our Colonial period and all the other styles of various nations and ages.

In considering the building problems of to-day we are apt to overlook these simple facts. Instead of building what we need in the most natural and beautiful way, we hark back to the styles of preceding centuries, we judge by preconceived or borrowed standards and arbitrary rules based on architectural achievements in the past.

Some of our home-makers and builders, however, are beginning to break away from these traditions and build to suit their individual needs, according to the nature of the locality and circumstances. To such minds, a house is "architecturally satisfactory" when it fulfills in a direct and practical way the purpose for which it was built, and at the same time possesses pleasing proportion and design, without regard to whether or not it resembles any particular "period" or follows any special rules. Of course, the layman can determine whether a house is well designed and built only in so far as he possesses a feeling

for proportion and a knowledge of structural principles.

Unfortunately it is just this knowledge and this feeling which most of us cannot or will not take the trouble to acquire. We expect from our homes the utmost comfort, convenience and beauty that money can procure and builders and manufacturers can contrive, but it seldom occurs to us to secure these things through our own personal effort. We are constantly talking about making our homes express our individuality, and the reason so few of us accomplish this is because we do not put our individuality into them. Home-making, in fact, seems to be the branch of life from which we expect most and to which we give least.

If you ask people why they have not thought more about the vital points involved in home-building, they reply: "Why that is the architect's business! What is the use of having an architect if we are to do our own planning? Besides, we don't know about such things; we haven't the technical knowledge." And so they have to rely on other people's experience and advice to solve one of the most important and intimate problems of their lives. For after all, the building of a home is a serious matter. Most people build but once, and then it means investing the savings of a lifetime. It means, too—or at least it should mean—the embodying in concrete form of their own ideals and aspirations, their feeling about home relationships and household tasks; it means the reflection in their home of their own personality.

In the first place, the house should be itself, not an imitation of other houses; free from all false pretense or affectation of a luxury it cannot attain. In fact, style is the least important thing. If the house is built strongly and carefully, of suitable materials, to meet the owner's needs, with due consideration for beauty of proportion and detail, then it will be a law unto itself; it will have created its own style. And how much more permanent and wholesome an influence will such a dwelling have upon the lives of those within, and especially upon the children whose minds retain so easily the impressions of their early surroundings. They will unconsciously learn from it independence of thought, fearlessness of expression, love of simplicity and beauty and the sincerity of a true home atmosphere.

In planning the arrangement of the house itself one should always be careful to leave



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free and ample spaces for the social life of the family, avoiding all unnecessary partitions which would entail extra outlay and add complexity to the housework. The living room with its fireplace should centralize the interest of the interior and sound the keynote of comfort and hospitality. The dining room and kitchen should be so arranged as to minimize the housewife's steps, and where no maid is kept the most sensible plan is to have the kitchen large enough to allow some of the meals to be taken there. For there is no reason why this part of the house should not be as cheerful and attractive and homelike as any other, and certainly where the mother has to do all her own work both she and the family would get more real comfort by simplifying the serving of meals as much as possible. The convenient arrangement of stairway, bed rooms and bath, and the provision of ample closet and storage spaces will likewise need serious consideration. And in this connection we cannot emphasize too strongly the fact that the servant problem as well as many others of individual and national importance may be solved by the right kind of architecture.

As to the structure of the house, this should be as plain as possible, with no useless frills and ornaments that would rot or retain moisture. The house should be built to withstand the weather, to keep out heat and cold. The beauty of both exterior and interior should be attained through adherence to good proportions, the right relation of the width of the building to its length, and of these two to the height, and the relation of the whole to its surroundings. The length and angle of the roof lines, the placing of chimneys, doors and windows—out of the right adjustment of these things the structural beauty of the house will grow. The windows, in fact, form a feature of great importance, for they hold great decorative possibilities. Well-placed windows are a pleasant break in the monotony of a wall and add much to the charm of the rooms within. Wherever possible the windows should be grouped in twos or threes, thus emphasizing a necessary and attractive feature of the construction, avoiding useless cutting up of wall spaces, linking the interior more closely with the surrounding garden, and providing pleasant views and vistas beyond.

While the living and sleeping porches will be important features of the plan, it must not be forgotten that in most of our States we require the shelter of a porch during only three or four months of the year, and the rest of the time we need all possible light and sunshine for the rooms inside. Therefore, in building the porches care should be

taken that while they are ample enough to afford plenty of opportunity for outdoor living and sleeping, they do not cut off too much light from the interior.

The exposure of the various rooms is another point which should receive attention, those which are to be most lived in needing the best southern and eastern aspects.

All these and many other points must the prospective home-builder consider if he would see his dreams embodied in practical form. And when it comes to the actual building of the house he must realize that if the result is to be as close as possible to his ideal, if it is to be truly his own, it is "up to him" to make it so. Knowing the human frailties of architects and builders, of masons and painters, carpenters and cabinet makers, he knows that even though he may entrust his work to men with the highest personal and professional reputations and the best intentions, it is absurd to expect them to give it the same personal care and zeal, the same diligence and forethought which the owner himself would give. But then comes the natural objection, how can a man set himself up to direct and criticize work in which he has never specialized, of which he has perhaps only a general and fragmentary knowledge? It will require study, investigation, constant supervision of every detail. Well, he must make up his mind to give the time and energy which this will entail. If he cannot do it, he might almost better not build at all.

If the owner is wise, therefore, he will insist upon the specifications being drawn up in minute detail, so that when the contractors make their bids they may itemize their estimates for each separate thing. He will then know, when he looks over the bids, what each contractor proposes to charge him for the various materials and for labor, and will be able to compare the bids and investigate the reasons for different prices, deciding in favor of the contractor who promises the highest quality for the most reasonable figure.

In all these things the owner will find himself constantly brought up against his own ignorance of practical architectural matters; he will have to familiarize himself not only with technical terms and their meanings, but also with the actual processes of the work, the theories and practices of building and the various forms of construction.

He will have to decide, for instance, whether the best effect can be obtained by raked-out joints or those that are cut flush with the face of the wall. He will find that much depends upon the color and nature of the mortar used, and that if field stone is employed for part of the walls or the fireplace an artistic and unusually beautiful ef-

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fect can be insured by giving personal attention to the selection of the pieces and the manner in which they are laid. He will have to familiarize himself with the different kinds of shingles and their stains if the roof and gables are to be as weather-proof and attractive as possible, while the choice and finishing of the wood for the interior trim will also need considerable supervision. In fact, all those details which contribute so much to the success or failure of the house will need the owner's personal attention, and in familiarizing himself with the innumerable problems that crop up—commercial, practical and aesthetic—he will be incidentally acquiring an invaluable knowledge of the principles and requirements of the building art—getting, in short, his architectural education.

Nor does the work of the owner end here; in fact, this is only the beginning. For when ground is broken and the building operations are begun he must be as constantly as possible on the spot, making sure that the work is progressing with the thoroughness and care that are so indispensable to the right result.

Then when the building has reached completion its owner will have the satisfaction of knowing that he has earned his title in the fullest sense of the word. For the house will represent his own endeavors and desires; it will be the concrete embodiment of his ideal home so far as his efforts and co-operation of architect and builder could make it.

When the building of our houses is undertaken in this spirit, then and then only may we hope to evolve an architecture that will last. Then only can we express in our homes that spirit of practical democracy which promises to be the ruling influence in our coming national life.—Gustav Stickley in the November "Craftsman."

The most valuable asset in any business undertaken is brains. A necessary asset is money. Opportunities come to us all, but are not always grasped when they knock at our door. The big opportunities come and remain with the man who can combine an investment of money, however small, with a large investment of brains.—Exchange.

While it pays to think, it is thought in action that puts money in the bank.—Exchange.



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### HINTS ON CONSTRUCTING CEMENT SIDEWALKS.

The following hints have been taken from a paper by Mr. N. E. Murray, presented at the last annual convention of the Illinois Society of Engineers and Surveyors:

Before constructing cement walks on a foundation that has been traveled over for several months, "pick up" the entire surface, flood and retamp it. The reason for this is obvious. On filling of this character the foot travel generally follows one well-defined line, usually in the centre, which becomes solid and well packed and will not "settle" under additional weight, while the filling to either side of the centre, on being given additional weight, usually settles sufficiently to cause a crack lengthwise through the walk, unless the entire surface is loosened and retamped to a uniform density before the concrete is put on.

A successful contractor states that in cold weather he mixes the concrete as dry as it is possible to have it, and then put in the base in two courses, tamping each course separately—in this way obtaining a more uniform density in the concretes, and as a result has never had to record a "failure" in his work. Better results will be obtained and fewer walks with loose and cracked wearing surfaces would be seen if workmen could be made to understand that a wearing surface will not adhere to or form a bond with a base covered with loam or dirt, which they have "tracked" over it, either through carelessness or in order to save a few steps.

Clean-cut joints between the slabs and expansion joints adjoining the curb at streets and alley returns, and at frequent intervals in long stretches of walk, are absolutely necessary if broken curbstones and broken slabs in the walks are to be avoided. Expansion joints at street and alley returns can be eliminated by constructing the curbing with a "recess" into which the sidewalk slab may be laid.

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## THE QUALITY OF FITNESS IN ARCHITECTURE AND FURNISHINGS

All art is the manifestation of thought and feeling, the artistic quality of any object being that in it which stimulates thought and ing. There must therefore always be varying degrees of art, from good to bad. According to our moral perceptions, we may arouse painful thoughts and feelings, or pleasant ones. The nobler ideas and emotions manifest the highest arts, quite apart from technical excellence. Every soul that breathes would like, if he could, to arouse in the minds and hearts of others the best impulses and acts. "Our friends are people who see the good in us and who believe in that good."

Many will ask, What have such theories to do with architecture? We believe them to be the essential basis of all the arts.

An architect may encourage greed or generosity in his client. He can suggest many vices, like deception and pretentious vulgarity, or fan into flame better thoughts and feelings, helping the struggle for good work, honest construction, simple dignity and harmony, repose and reticence. The architect may regard himself as a paid hireling whose first duty is to give his client what he thinks the client wants, never allowing his own conscience to interfere; saying, like a shopman, that he must meet all tastes; or he may tactfully encourage his client to have his needs supplied on given principles of strict integrity, and arouse in him enthusiasm for honest construction and frank admission of his true status and limitations. He can remind him of reverence which leads to respect for nature and all natural conditions, so blending his building harmoniously with nature, and making it as good as it looks, and not fraudulently in imitation of something better and more magnificent than his means can allow. Better frank simplicity than sham elaboration and pretentiousness.

Fitness is a divine law, and by fitness we mean not only material suitability, but moral fitness—that which expresses our best thoughts and feelings and our purest moral sense. We must recoil from all forms of dishonesty. If a client is greedy and wants too much accommodation for his money, we must refuse to supply it, if it necessitates shoddy building or weak and faulty construction. We must start with the determination to build as well as we can; then will follow such qualities as simplicity and repose, which, if truly loved and sought after, will affect our architecture not only in general design and planning, but in every detail. The proportions of our rooms will suggest repose if we are really striving for it as we design our building, and a peaceful homely effect will be produced by these qualities that will appeal to all in greater or less degree. The desire for fitness will lead us to evolve our elevations out of our plans and requirements, never making our plans to

fit a preconceived elevation. To squeeze the requirements of a mansion into the semblance of a Grecian temple must involve the violation of fitness and the expression of false sentiment. We are not Greeks, nor have we a Grecian climate, or Grecian materials and conditions. Moreover, an attentive study of local material and conditions will greatly aid us in securing harmony and rhythm, making our building look as if it grew where it stood in loving co-operation with its immediate surroundings.

The knowledge of foreign architecture has done much to destroy the full and complete harmony in modern work which is the characteristic feature of all the finest buildings throughout the world. The more we study the conditions under which we build, the better. Not only climate and local material, but sometimes foreign materials, which, owing to facility of transit, are found to be more fit than local materials. And, above all, the character of our client and his best tastes and aspirations, remembering always, that it is not ourselves that we have to express, but moral qualities,—honesty, thoroughness, fitness and grace, refinement and harmony.

Our chief trouble is in combating the greedy who, wanting things to look better than they are, ask us to strive for an effect of richness without themselves incurring the cost of real richness. We need all our tact to preserve our integrity with such people. But it can be done, and must be done.

A frank use of common material well proportioned and fitly used, will often give a charming effect by reason of its frankness. You see at a glance what it is, and feel taken into the architect's confidence; whereas the covering up of construction with cheap elaboration, or material made to imitate something more costly, only makes you feel you have been cheated.

Again, a careful study of our climate makes us emphasize our roofs to suggest protection from weather. Large, massive chimneys imply stability and repose. Long, low buildings also create a feeling of restfulness and spaciousness. Small windows in proportion to wall space suggest protection. Bright, sunny rooms can still be secured by keeping the ceilings near the windows for reflection. It is foolish to make windows so large that until they have been half-covered with curtains you cannot live in the rooms. Besides, excess in curtaining is wasteful of money and labor, which is also contrary to fitness.

Many elaborations in modern architecture are useless and also wasteful of money and labor, adding to the expense of upkeep and often causing dirt and damp, which are injurious and destructive. Moreover, all ornament is pernicious unless it inspires good thought and feeling in others.



A nation produces the architecture it deserves, and if in the main it is materialistic and sordid, we shall find all material qualities considered first and the moral and spiritual ones scarcely at all. Greed will crush out generosity and shams will smother poetry and sentiment. Men will prefer the imitation grandiose to simplicity and dignity. Things will not be what they seem. Bodily comfort and luxurious enjoyment will be valued above grace and refinement. Indeed, the modern materialist will not admit there can be any moral qualities suggested or conveyed by architecture. He sees no harm in jointing his stucco to imitate stone construction. So it is we see what we look for.

We must look for noble moral qualities in our fellow creatures, if we desire to find beauty. At present the world does not seek beauty, but expects to be given it for nothing—thrown in with a pound of tea. But nothing can be had for nothing in this life; and we must be prepared to pay—that is, make some sacrifice—for beauty, the sacrifice at least of devoted thought and loving endeavor. If your client does not understand this, it is your duty to inspire it in him, which you may often do by appealing to his judgment and sense of fitness. If the kitchen range is covered with polished iron moldings to make it look heavier than it is, he may be induced to dispense with the fraudulent parts on the plea that they waste the kitchen maid's time and labor. Then the simple range that is as heavy as it looks, and unpretentious, will have a chance, and produce the effect of breadth, goodness and strength without waste. Let breadth, goodness and strength be the keynote throughout your building, and then no one will feel cheated.

Generosity is a quality that affects our sense of proportion and improves our construction vastly. An ungenerous client will induce weakness in construction. The hidden parts will be reduced to their smallest dimensions, and servants' quarters will lack the comfort due them. And when all is done, the pride of architect, builder and workmen is gone, and anxious fear of being found out takes its place.

Generosity is a quality the poorest of us may possess; indeed, it is mostly found among the poor. If a man cannot afford to have everything as good as it looks, he had better go without. Shams are poisons and degrading.

On going over a house, you feel cheated if you find polished hardwood and marble freely used in the reception rooms, while bed rooms and offices are in painted deal, cheap and tawdry. The same degree of durability may

be used without any sacrifice of fitness, just as you may have fine finish and smoothness in a jewel case, while strength and durability, equally valuable, belong to the traveling chest.

Let no one suppose beauty can be wed to greed or vanity. If we want our houses to show how prosperous we are, don't think you can have architecture worthy of the name.

Law-abiding people, not impatient of discipline (like the well-trained soldier accustomed to obey) will produce an architecture conspicuous for its tidiness, repose and reticence, having the strength and vigor of the well controlled. But the lawless, slack and slovenly people, who are absorbed by the love of gain and pleasure, will produce the architecture we see all around us, which for the most part is restless and "rotten." Our attention is too much riveted on material things. Market values obscure the view of those qualities which go to purify and strengthen character. We do not object to ugliness, if it does not affect bodily comfort; whereas we ought to be waging eternal warfare against all forms of ugliness; mainly by keeping up a flaming love and desire for beauty. We must love all beauty—beauty of character, beauty of sound, sight, smell, touch and taste—with a passionate desire that is ever ready to make sacrifices for attainment. This burning love of the beautiful is really at the bottom of all true progress. It is something outside ourselves that lures us on in the improvement of character; so the more we can have in our architecture the better.

It is a common fault to regard beauty as a form of pleasure only, forgetting its influence on character and disposition. A peaceful, homely room, free from draughts, yet well ventilated and warm, with nothing in it that does not fulfill some useful purpose, and plenty of comfortable seats and places for work, with a big, hospitable looking fire, high up above the hearth suggesting dignity and importance, will make you feel on entering that you can rest and be at peace with the world. So different is the usual confused motley of museum articles, in your way at every turn, and calling on your notice, worrying your sensations of color, form and texture, all at war with one another for supremacy, and the fire cringing on the floor and looking dejected and lost in the motley of glittering bright metal tiles, marbles and wood, all detracting from the natural brilliancy and vivacity of the burning embers. Such a room fills you with restless uncertainty and bewilderment. Few rooms are not overcrowded, as if the owner were seeking to impress you with a sense of his own importance

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and the multitude of his possessions. Richness of effect, he may call it, but it is only the richness of gluttony and confusion. True richness can only be attained through simplicity and fitness. Have what you own in the best material and workmanship of their several kinds, and true richness will be the effect. But no richness of effect will atone for draughty, damp or cold rooms; construction must be sound in theory and practice, if it is to be fit, and it must be fit if we would have it beautiful. We must arrive at beauty through fitness, and by no other road.

We are too often afraid to be ourselves, imitating the more wealthy. Many a poor man's house would be more comfortable and better built if he would dare to live in fewer rooms. But the artisan must have his drawing room and wax flowers, even if only required for funerals. If he lives in his kitchen, he must hide the fact. And in every class you find some people trying in vain to appear better off than they are, just as our architectural details strive to look better than they are: woodwork painted to look like marble, or grained to imitate oak. Deception everywhere! Surely the first condition of true art must be truth in every part. Our moral sense being given to us to help us in the pursuit of beauty as a means to improve character.

One word must be added on color. Be not afraid of bright color; it is a powerful aid to cheerfulness. Avoid crude mixtures of many

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colors, for cheerfulness and harmony can be secured with a few. The desire to suggest cheerfulness will help us to avoid large masses of brown, and all indefinite tints suggestive of decomposition. Rejoice not only in the colors of living nature, but above all in the proportions of her color schemes.—C. F. A. Voysey in "The Craftsman."

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#### HAS BRICK 1,300 YEARS OLD.

Displayed with as much honor as a bejeweled crown of an emperor, there is in the private office of Ambrose Swasey, of the Warner Swasey Company, Cleveland, a brick of burned clay. It rests in a glass case and is one of the most valued relics of Mr. Swasey, designer of the world's greatest telescope and a scientist of wide reputation.

This brick was a sunit in that wonderful engineering achievement, the great wall of China, made 1,300 years ago, and unharmed one centuries of exposure to the elements. It was made by the same process in use today, although the method must have been crude. The success of the process of burning clay, as proved by this brick, was not new when the great wall of China was built, but had come down through some thirty centuries preceding that period and there are in existence much older examples of the art than the one so proudly exhibited by Mr. Swasey, says the "Material Record." But this is a case near at hand upon which local brick-makers pin their faith in the product.

The brick was brought from China by Mr. Swasey, but not without great difficulty. It weighs thirty pounds and is eight times the size of the common brick of today. It measures fifty by eight by four inches. It was not easy to get possession of the brick in the first place, and even more of a task to get it home. It was first carried on the back of coolies through the mountainous country to the water, then shipped by rail and boat to the coast and across the Pacific Ocean and again by rail across the continent to Cleveland.

No other material has stood the test of time as brick has. As far back as there is a

record of people and events there is history of the use of burned clay. The process is older than its known history, and there stand in many countries today examples of brick work that has been an important element in preserving the history of the period in which they were made. History owes much to brick, the historians say.

This brick from the great wall of China shows no sign of disintegration nor the effects of heat or storms. It is interesting to compare this 1,300-year-old brick with those of modern type and note the improvement in texture. Utility alone was considered in brick making until recently. Without loss of the quality of durability the brick-makers are adapting their product to artistic use, with every possible shade and finish and effects to please every taste.

In considering the brick from the wall of China it is interesting, too, for the home builder of today to contemplate that the bricks he puts into the wall of his house will be in existence 1,300 years hence, and that his descendant of the hundredth generation may be using them for some purpose, if only to throw at his neighbor's cat, or possibly as ballast for his airship.

Play-it-on-a-hunch advertising is not the kind that wins out. The steady, persistently repeated note of appeal is what tells.—Cement World.

#### A CONCRETE SPASM.

A Western cement man extracted this from his system: "I was sitting back this morning with my concrete pipe alit, and I fell into a pipe dream of when concrete would be it. I was lazy, and the hazy curls of smoke around me whirled and I dreamed about the time when this would be a concrete world. I could see the ardent love woo a maid with concrete heat, and father with his concrete foot suggests that they must pat, see him sticking though the kicking, though he pleads in accents low, till at length he proudly leads her to a concrete bungalow. Then the dream gets slightly dimmer for a moment and gets clear, and I see a concrete cradle with the parents hovering near; I've a feeling that the squealing seems too real to be a dream, and my ears are rudely shattered by the semblance of a scream. Then the good wife comes arunning with a bucket in her hand, and she hurls a stream of water that benumbs to beat the band. She is yarning, too, and telling me that I sure do take a chance if I fall asleep while smoking, 'less I'm wearing concrete pants."

The short cut to success in any line is to get your proposition before people likely to be interested in what you have to offer. In the building line "The Builders' Guide" supplies this "shortcut."

When you don't advertise nobody knows that you are doing business, and it won't be long before you'll not know it yourself.—Ex.



**THE FUTURE OF PLUMBING.**

BY N. KNOWALT.

It matters little now what the plumbing business has been in the past; it is the future which concerns the trade most vitally. We may marvel at the lack of sanitary knowledge, now a part of every plumbers' stock in trade, but we cannot forget that the pioneers were in their day as fully abreast of the times as we of the present, and that they were patiently paving the way to the modern highly-developed conditions which exist to-day.

The original idea is only the beginning. If the man who conceives it was left to himself he would not be so apt to make substantial headway. It is the multiplicity of ideas that count. An unoriginal man after the first principle is made clear to him can frequently point out each succeeding logical step.

So it has been with the plumbing business. Not one mind, but many have grappled with and solved the problems, adding a little here and a little there, until we find the trade to-day in a splendid developed condition.

But we have not reached the zenith yet. The next ten years will doubtless witness many important changes and improvements, and what to-day seems approximately perfect, will be as strange then as the earlier work is

now. But the principles are not so likely to undergo a marked change. They are too well grounded.

It is a safe prediction to say that the future of the plumbing business is going to be on a higher plane, that there will be more of it, and that it will prove much more profitable. It will also be better understood and plumbing will be in greater demand. Scarcely any one will be without it. A building of any kind without plumbing will be a rarity indeed. Plumbing will be just as essential as the cook stove or the gas range. The humblest homes will have their bath rooms, lavatories and stools. There will be more work for the plumber and he will handle it with more skill and profit, because the plumber will know his business better than he ever has before. In this respect he is bound to average higher. If he fails to realize this and meet the issue squarely, he will fall behind in the race. The opportunity is going to present itself and the plumber must be wide enough awake to grasp it and turn it to his use.

In order to meet the new conditions, the plumber must be as competent as the average business man in other lines. Guesswork must be eliminated. His success will be contingent upon his ability to figure each job intelligent-

ly so as to produce a profit. Better work will be demanded of him because the common demand for plumbing will give the public a better knowledge of the requirements, a thing the public is just beginning to learn.

Scientists and physicians, states and cities are engaged in a constant effort to educate the people to a responsibility or better care of general and individual health in every community. The plumbing business is closely allied to any movement having this result as its object. As this movement progresses the plumbing business will increase and progress with it.

One of the most recent steps indicating the trend of public sentiment in this regard is the widespread agitation for the abolition of the deadly public and semi-public drinking cup. This of itself will produce hundreds of thousands of dollars' worth of business because as one State legislates in this matter, other States will follow until there will not be a State in the Union which does not prohibit the public cup.

The time is not far distant when municipalities will provide certain limits in which privy vaults will not be permitted, if this menace to health and decency is not completely abolished. False modesty regarding these

(Continued on page 731)

**Trade News and Gossip**

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

\*\*The particular reason why concrete men owe a debt of gratitude to the bricklayers is explained by Morton C. Tuttle, secretary of the Aberthaw Construction Company, in a recent paper. He says: "The cost of cement and the labor cost of building reinforced concrete are two items unique in our day, in that they have decreased in the last few years. The labor cost has gone down in the face of higher wages, because of greater skill in planning and executing work. If this cost continue to drop, and the price of lumber and the cost of brick work continue their present rise the two constructions will eventually exchange positions. The concrete industry has to thank the bricklayers and their decreasing output per man at higher wages for much of its advance."

\*\*Officials of the Atlas Portland Cement Company and the Lehigh Portland Cement Company recently entertained the visiting delegates to the International Association for Testing Materials. The Northampton plants of the Atlas and Lehigh Companies were visited and the foreigners were entertained at luncheon by H. J. Seaman, general manager of the Atlas, and George G. Sykes, secretary of the Lehigh Company.

In the party were: Dr. August Dyckerhoff, Biebrick, Germany; Julius Carstanjen, Dursberg, Germany; Professor Francois Schule, Zurich, Switzerland; D. R. Muller, Rudersdorf, Germany; M. Dividsen, Paris, France; Dr. Frederick Hubner, Balingen, Germany; Dr. Carl Hoffman, Appeln, Germany; R. Frey, Luther-Bach, Germany; M. Santiago Julia, Marseilles, France; August Poulan, Lemirg, Denmark; Paul T. Lindhard, New York; Percy H. Wilson, Philadelphia; Georges Julia, Paris, France; Bert Swett, Allentown; George Sykes, Allentown; N. C. Hanna, Los Angeles, Cal.; Dr. George Spohn, Blanbenrou, Germany; David Berg, Malborg, Denmark; G. G. Robinson, London, England; Paul Hansel, Vienna, Austria; Richard L. Humphrey, Philadelphia; Claudius Peters, Hamburg, Germany.

The escorting committee of representatives of the local companies included: Captain Henry Reninger, Edward Smith, T. A. Hicks, H. J. Seaman, A. G. Croll, W. A. Pollock, W. W. Kuntz and Louis H. Repass.

\*\*The action of chemicals on concrete is commented on by George G. Kennedy, superintendent of the water department at Harrisburg, Pa. At the filtration plant hypo-

chlorite of lime is used as a sterilizing agent and is contained in two concrete solution tanks, separated by a division wall from the mixing compartment. Both the side walls and division wall showed a great deal of pitting. The bottoms of these tanks, which are of granolithic finish, exhibited no evidence of disintegration. To check the trouble the sides were cleaned off with compressed air, a coat of cement mortar applied and the repairs finished with a coating of bitumen paint, applied hot. This work, Mr. Kennedy reports, has been finished so recently that the durability of the repairs cannot be determined, but so far the protective coating has given satisfaction.

\*The plant of the Federal Process Company, which was the home of "Burmite" Roofing Material, was destroyed by fire during the night of October 14. The establishment was located on the northwest side of Chicago and was burned to the ground, the flames performing their work so well that nothing was left on the site after the destructive fire but ashes.

\*\*When the latest million barrels of cement purchased have been used in construction work on the Panama Canal, the quantity of cement used in the building of the big ditch will have reached to total of 2,200,000,000 pounds. The cost of this item of construction reaches \$6,500,000. If the barrels which contained the cement could be placed end to end, they would extend 2,300 miles.

\*\*The clay-working industries of the United States had in 1911 a production valued at \$162,236,181, according to the United States Geological Survey, which has just issued a

(Continued on page 730.)



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# Editorial Comment

An effort is to be made at the forthcoming convention of the American Institute to remedy the hurt done American architecture in the repeal of the Tarsney Act by enlisting popular and governmental support for a Bureau of Fine Arts to supervise the design and construction of federal buildings. As an idea this is eminently sane and timely and will, we trust, find friends sufficient in number and influence to bring about its adoption. There is no doubt whatever in the mind of men familiar with the present system of handling the planning of edifices of a public character that this work could be immensely bettered if the functions now vested in the supervising architect's office were in the hands of a Department of Art and Construction under the care of a commissioner. Of course, to bring about the best results such a commissioner would necessarily have to be endowed with a more than subordinate say upon matters pending in his office.

The question, after all, is one of authority. Given the right stamp of men and the proper authority to proceed, American official architecture may be depended upon to attain the highest artistic and utilitarian ideals. It matters little in the long run whether this outcome issues from a commissioner, a bureau or some such device of legislation as the late Tarsney measure. The aim of everybody with intelligent artistic aspirations is to get away, as far as possible, from the stereotyped, the provincial and the commonplace bugbears of official design in the days antedating 1893. "The Guide" stands ready to land its active support and influence to the announced propaganda of the institute to this end. The fact that the Tarsney measure was defeated by trickery and legislative legerdemain rather than in open assault may influence many of the more brilliant minds in Congress to support this newest move for its practical rehabilitation. The United States is too great a power, too intelligent a power to depend upon the office of the supervising architect,—conceding this office everything that its most blatant admirers may find to say in praise of it,—for the official architecture of its entire galaxy of states. The most daring genius would find it impossible to realize homogeneity, while respecting sectional tradition, under conditions so cramped and little conducive to original inspiration.

\* \* \*

Burton Cline, in "Indoors and Out," draws an amusing picture of the difficulties which beset the beginner in architectural practice.

Good memories are full of imaginary cures effected by great imaginary doctors in novels, writes Mr. Cline. Fiction long ago admitted the lawyer to its citizenship. The drama has found a use for the dentist. But then the dentist is an especially fortunate person. He

ought, in the nature of things, to draw well. He is likely to find a good opening anywhere. And every good dentist has a strong pull. But where do you read of the young architect? Where do you see him stalk the pages of a great book or the boards in a stirring play? The newspaper will chronicle the ills of the young doctor, will faithfully describe his suicide in the long wait for practice, but even the woes of the young architect, and they must be monumental in the beginning of his career are never a ticket for him to the general show.

What becomes of the young student of architecture who goes out from the schools? The young doctor, lawyer, dentist is a familiar enough figure. Everybody has one for a brother, an uncle or a father. Everybody has cried out with some young fellow the days of no patients, has shouted with him over the first case. But who has ever been brother or nephew to a young architect? Anybody may shoot a neighborly cat and need a lawyer, but not everybody builds a hotel or an office block. There have lived those who never built a house. Yet every year the architectural schools contain more students. More and more, bright young brains swell with unbuilt houses. What becomes of these brains, and how do they far in the struggle to live among people who after all build so few houses and blocks?

So the poor fellow works on. He has to create his market before he can sell it his goods. Meanwhile the tailor scowls at him from across the street. His landlady becomes an oppressive personality. The walls of his office come to be plastered with his rejected perspectives.

If he sticks and waits, his day comes. It has come to other good waiters and stickers before him. At last Banker Bangs consents to let him have his hand free and go ahead with plans for a pretty house in Old English style. "By gad, that is pretty!" he has to admit when the thing is finished. The same noble thought suddenly occurs to Grocer Billings one Sunday afternoon, passing the Banks mansion. He instantly wants something like it, only nicer. An epidemic of Old English is started. And so Caleb Waite, architect, though now with a few gray hairs about his temples, has at last instructed his public and gained his day.

This is how young architects start out, and where they go. But noblest figure among them all—noblest for the difficulties that he dares and the greater good that he does for his country—is the brave young brain who starts his work in the smaller community. He must be his own Columbus before he can be his own McKim. But he can be both, and in no mean degree, if he tries. Where the chicken coop stood he plants the French Gothic.



He makes his way, and that is a credit to him in a field as stony as his. But most of all he has taught his fellow man to have a greater love for beauty, and that is the greatest credit of all.

\* \* \*

Just as John La Farge discovered the beauties of iridescent glass and revolutionized the stained glass maker by asking him to save all his old scraps of glass, so Stanford White, "in delving among the oldest buildings at Cambridge, perceived that one of the most significant charms of these old Harvard buildings lay in the texture of the brick work occasioned by the random introduction of burnt, or slightly discolored, bricks in the wall. He subsequently amazed a brick dealer by definitely specifying and personally selecting a large percentage of the bricks for his building in hand of the sort usually thrown out as seconds."

The facade of the Colony Club in New York was the first visual expression of White's discovery. He threw all precedent to the wind, scandalizing the conservative and delighting the aesthetic by using brick, both plain and burnt, in the nature of tile or tile mosaic for purely decorative purposes. The entire front of the building was laid with only the ends of the bricks showing, some of the natural red and some in burnt gray, purple or dark green, and the whole diversified

with panels and sinkages. The joints were all in line, like a checkerboard, and the whole was so subversive to all established ideas of brick work that it created a storm of controversy in the architectural press throughout the country. From the babel of approbation and condemnation finally arose the acceptance of this amazing "tour de force," and its adoption by progressive architects was universal and as productive of happy burnt bricks.

Thus the old traditions were broken down and we were at once amazed at what could be accomplished in modern brick in aesthetic treatment.

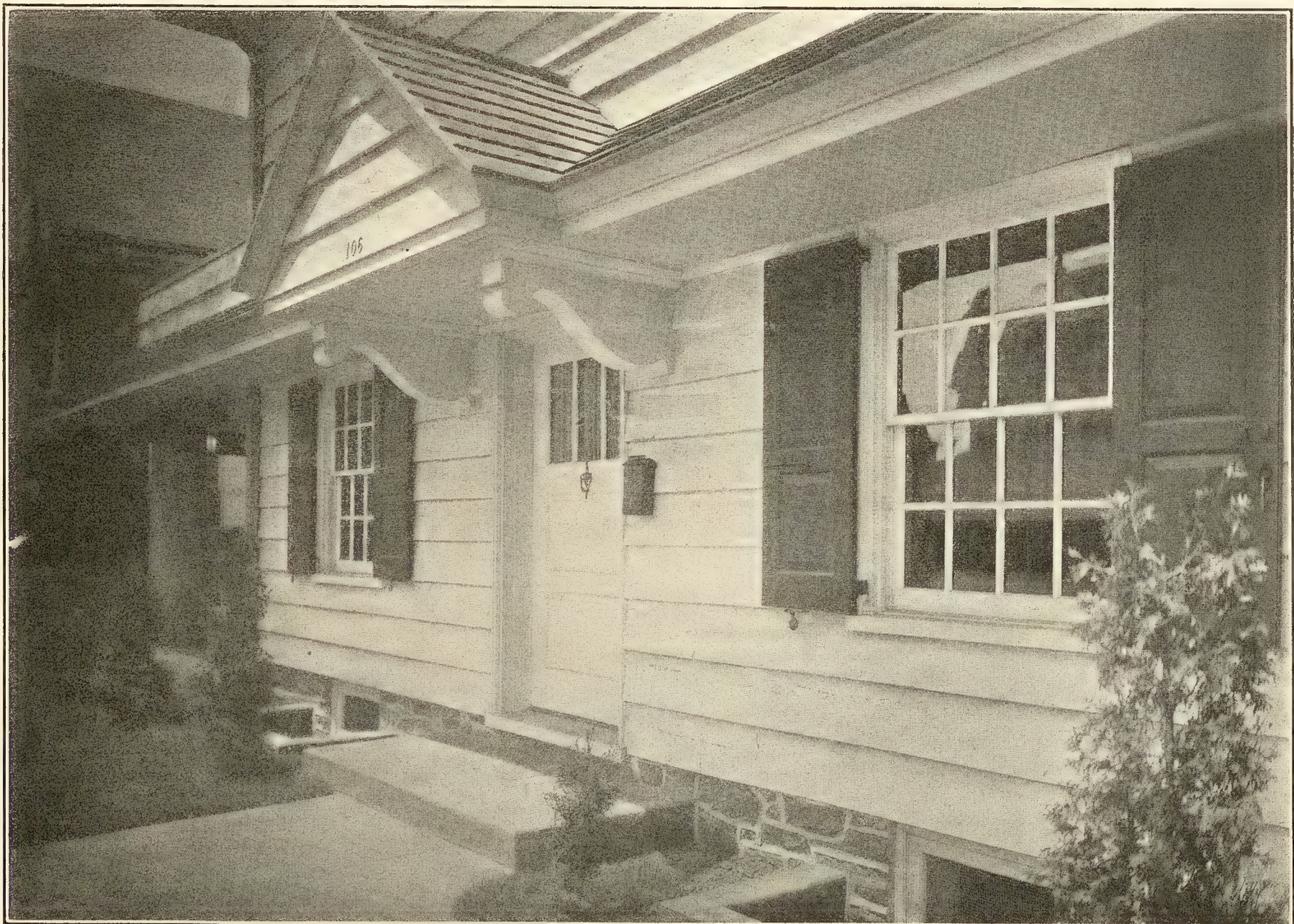
"With these departures from the old traditions in brick work firmly established," says "Contract Record," "it was not long before the manufacturers rendered further developments possible. The setting of regular two-inch by four-inch by eight-inch bricks in ingenious and aesthetic ways was practiced in infinite variations, with the structural joints forcefully expressed and the material used frankly employed.

"One manufacturer, firmly convinced that the idea of expressing texture in brick work was a great aesthetic discovery, bent his energies to the production of various bricks which should allow the architect a wide range in color, shape and texture.

"Beginning with new shapes, wider, flatter

and longer than ordinary bricks, the various shapes were cast in certain groups of soft coloring, which if properly blended in selection may, in an interior, be found to reflect the rich values of an Oriental rug; and be admirably set by dark wood work. These possibilities may readily be realized by a consideration of colors and shades which may be commanded from the various groups. Thus the 'red group' includes not only varying shades of red, but a certain proportion of coppers, olive greens, purple, browns and blues. The 'gray group' includes various shades of brownish gray, running into cream and coffee and deep russets. The 'golden group' includes shades from a soft, delicate chamois to a deep golden brown. The full range of either group may be used in a single fireplace or facade with a delicately harmonious result, or the solid colors may be used for greater mass effect. In exterior treatments, blank wall spaces or the frieze under the eaves may be richly diversified with decorative panels, using colored bricks as a tile mosaic, which though structurally bonded into the wall, will possess the value of applied faience treatment.

"The way has been opened for infinite possibilities in brick building, and architects are making the most of the discovery of the importance of 'texture,' 'local color,' and 'incidental interest' in brick surfaces.



Architects: De Armond, Ashmead and Bickley, Phila.

ENTRANCE DETAIL RESIDENCE OF ALBERT L. ROWLAND, ARDMORE, PA.



## Is that New Building Operation of Yours Nearing Completion?

Are you ready to show possible purchasers what you have prepared for them in the way of modern conveniences? You are not ready if the houses have not been wired for Electricity—you cannot make quick sales now-a-days unless dwellings are electrically equipped.



### TRADE NEWS AND GOSSIP.

(Continued from page 727.)

chart, compiled by Jefferson Middleton, showing the total output, by States, of all the different clay products. The total production of common brick was 8,475,277,000, valued at \$49,885,262. Of this, New York contributed the largest amount, namely, 1,143,726,000, valued at \$5,918,286. Illinois was second in output, with 1,074,486,000, but the product had the greater value of \$6,126,911. No other State reached the billion mark, Pennsylvania coming third, with 774,122,000 bricks. The chart gives the figures of production for other kinds of brick—vitrified brick, front brick, fire brick, etc.—as well as for terra cotta, draintile, sewer pipe, stove lining and pottery products. The production of all kinds of bricks was more than ten billion.

In total production of clay products Ohio heads the list, with a value of \$32,663,895, or one-fifth of the total for the United States; Pennsylvania is second, with \$20,270,033; New Jersey third, with \$18,178,228, and Illinois fourth, with \$14,33,011.

\*\*The largest concrete arch in the world, and the second largest, according to length of span, is part of the Larimer avenue bridge of Pittsburgh. This bridge extends over a deep ravine and measures 312 feet clear span. In Australia, 12,000 miles away, there is a huge arch of concrete with a clear span of 317 feet; but as it is 36 feet wide, as compared with the 50-foot width of the Larimer avenue bridge, the Pittsburgh structure is by far the largest. The height of the American bridge is 113 feet.

\*\*The Cleveland Face Brick Association, organized to promote use of brick, is conducting a business-like campaign to educate the people in its advantages and economy. With a great many people, even those who have built or intend to build, a brick is a brick.

They have seen thousands in the walls of big buildings and occasionally in a residence. In some cities they found them used for sidewalks and in many cities for paving.

"Sure, they know all about brick—or think they do," said a member of the association. "Yet it is surprising how few really do know something about brick as it applies to the modern material in baked clay. People look at our samples, and the usual expression is: 'My, I didn't know there were so many different kinds of brick.' They are surprised to see hundreds of different shades and colors and finishes when they supposed all brick were red.

"We want all to know that they may have as great a variety of colors and shades to select from in deciding upon a brick house as they would if they were selecting paint to cover their wooden house; that the brick never changes and never has to be painted or repaired. We want a chance to show them something of the character that can be attained in the brick house and the distinct-

iveness that makes one proud of his home every time he approaches it."

\*\*The Albany Clay Products Company, a new million-dollar concern, has secured an option on a big tract of land near Albany, N. Y., and within a few months will establish a plant there for the manufacture of a hollow brick to be used in fireproof construction. Those interested say that the output of the company will be several million brick annually, and that the hope is to increase the capacity of the plant from year to year. Several hundred men will be employed.

James H. Perkins, president of the National Commercial Bank of Albany, has been largely instrumental in securing the new industry for this section. A bond issue of \$400,000 has been floated in Boston, and it is expected that the other \$600,000 will be issued in the form of stock. Theodore L. Pomeroy, of New York, is president of the new company, which was organized in Boston several weeks ago. The directors besides Mr. Pomeroy are Francis Swift, Llewyn Howland and Arthur Rice, of Boston.

## New Ideas, Materials and Devices

Innovations in Material and Equipment That Merit the Interest of Architect and Building Owner—A Running Resume of Novelties More or Less Recent.

### "Plastergon" Wall Board:—

The Plastergon Wall Board Company, of Tonawanda, N. Y., are anxious to sell their products through the dealers and only through the dealers, and because of this desire on their part, dealers should appreciate this attitude of the manufacturers of Plastergon Wall Board and co-operate with them as far as possible. Whenever a manufacturer expresses a desire to place his product before the public through the dealers, the dealers should be willing to get behind the article that is thus to be placed on the market and do their share toward making the use of such product universal.

The Plastergon Wall Board Company have a proposition that they would like to submit to building material and lumber dealers.

### Denison Hollow Clay Tile:—

In an illustrated and unique folder, a portion of which is a return postal card, the Mason City Brick and Tile Company of Mason City Iowa, are asking four questions relative to the Denison hollow clay products. Below the questions are four answers, in which they explicitly state the reasons why they believe the Denison hollow clay products are "the best in the world." They are anxious to give dealers everywhere information regarding Denison fireproofing tile, building blocks and hollow angle cut and curved silo blocks. Ad-

dress the Mason City Brick and Tile Company, Mason City, Iowa.

### Expanded Metal Lath:—

Dealers should write the Northwestern Expanded Metal Lath Company, No. 906 Old Colony Building, Chicago, Ill., for their new booklet on metal lath. It is very instructive and contains valuable information for the dealer.

Being curious to learn what this new booklet contained, the "Dealers' Record" wrote for a copy, and we are pleased to tell our readers that the time taken for the perusal of its pages was profitably spent.

For a copy of this new booklet send a postal card to the Northwestern Expanded Metal Company, 906 Old Colony Building, Chicago, Ill.

### Certain-tyed Roofing:—

The General Roofing Manufacturing Company is offering cash prizes for window and door displays during the month of October. The object is to encourage the display of Certain-tyed roofing, which the General declares will be to the mutual benefit of both the dealer and his company.

The General's advertising department is to be the judge, and every contestant is promised a fair show to win one of the prizes.

(Continued on page 732.)



**THE FUTURE OF PLUMBING.**

(Continued from page 77.)

vaults is one thing which prevents open agitation, as in the case of the drinking cup. In this day of civilization and sanitary plumbing, vaults should be forbidden in every town and village having sewerage and waterworks.

While it is clear that great benefits will accrue to trade through the services of health departments and the law, there are other channels whose influence for betterment is bound to be felt.

Education and agitation have done much in the past and present to aid plumbing and will continue to do so. They have resulted in the establishment of public baths and public comfort stations. They are springing up all over the country. Before many years elapse they will everywhere be considered in the light of civic necessities. Each in its way helps plumbing. Once you educate the individual in the joys of bodily cleanliness—he is like the absinthe fiend—he can't feel right without it. The public baths have taught thousands this joy. On the other hand, the public comfort stations are teaching the people the comfort and convenience of odorless toilet rooms.

Accustomed to these latter-day conveniences in this school life the child of the present wants them in his home. If he can't have them to-day he is quite certain to have them when he himself becomes a home-builder.

Every hotel and public building is a silent solicitor for plumbing orders, because every man, woman and child who sees the benefit of sanitary plumbing in these buildings, is unaccustomed to them in their own homes, are inspired to secure them. The percentage of hotel rooms equipped with baths has greatly increased in recent years, and it will not be surprising if every guest room is so fitted in the future.

It is not so many years ago that in towns of from 10,000 to 20,000, bath rooms, etc., were found only in the homes of those considered well-to-do. How different to-day. They are found in thousands of homes. A property is specified as "modern" only when it is equipped with toilet and bath, no longer considered a luxury. They are necessities now, but luxurious necessities. In future any house will be considered too small and inexpensive for this equipment. It will be a short-sighted man who fails to take plumbing into account when he builds. Every year the masses are more keenly anxious to enjoy the comforts which go hand in hand with modern plumbing.—"The Plumbing Trade Journal."

"I was going to place my order with Blank & Co.," writes an out of town subscriber, "but failing to find their advertisement in your pages, concluded that the firm was of small importance." The firm that bagged the order is comparatively new to the trade, but as a regular advertiser in the home trade paper was able to make an impression that all the accumulated prestige of the older house was unable to overcome. Moral: Advertise.

## EXCELSIOR RANGES

Have been the standard of excellence for half a century. They are made for Coal, Gas or Combination Coal and Gas.

**Isaac A. Sheppard & Co.**

Philadelphia

New York

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Structural Steel and  
Reinforced Concrete Engineers

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Our Equipment enables us to  
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**THE BLUE PRINT COMPANY**  
1516 Chestnut Street

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None better made at any price  
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Interlock or Metal  
We Make, Sell and Apply Them

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2325 N. 31st St., Phila., Pa.

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We can place them for you

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Established in 1854

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### Pennsylvania Wire Works

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233 & 235 Arch St., Phila.  
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and Grille Work; Elevator  
Enclosures, and Elevator  
Cars; Wire Window Guards,  
Wire Cloth; Wire and Iron  
Work of every description,  
also Pen-Dar Metal Lock-  
ers, Shelving Etc.

### HENRY M. MILLER

Stoves, Furnaces and  
Refrigerators

40 N. SECOND ST., PHILA., PA.

### O. W. KETCHAM

Manufacturer

**BURNT CLAY PRODUCTS**

Office and Exhibition:  
24 S. 7th St., Phila. Bld'rs Exchange

### The National Metal Weather Strip

Is now for Sale by

**Strawbridge & Clothier, Phila.**

Send there for Estimate

The National Metal Weather Strip Co. of Pa.

### Hardwood Floors

Laid, Planed, Scraped, Finished

RENOVATING A SPECIALTY

**THOS. E. SLOAN & CO.**  
802 Walnut Street, Phila.

### MITCHELL BROS.

Carpenters, Builders and Contractors  
2125 Race St., Phila.

Bell, Locust 812 Keystone, Race 29-84

### Artesian Well Drilling Co.

Wells—Soundings—Test Borings

941 Real Estate Trust Bldg., Phila.

Bell Phone, Walnut 65-59



## NEW IDEAS, MATERIALS AND DEVICES.

(Continued from page 730.)

The company is willing to lend its assistance in displaying your stock and for that purpose has compiled a big book of ideas, which it will gladly send to any one on request, together with free display ammunition. When the display is complete, have it photographed and send it to the General's nearest office, a list of which can be found in their advertisements.

Whether you compete for a prize or not, send for their book of ideas and display matter.

### Herringbone Tie:

"How the Herringbone Holds" is the subject of an interesting little folder gotten out by the Merwin Manufacturing Company, of Erie, Pa., which explains the features of the Herringbone wall tie and offers talking points for the dealer. It will take about three minutes to read this folder, but will give the reader enough information about this particular wall tie to enable him to talk of it for years to come.

### "Hydroseal" Damp-proofing:

"Hydroseal" is the name of a damp-proofing manufactured by the Concrete Waterproof Paint Company, of Philadelphia. The manufacturers say that it has been designed to meet every requirement for which damp-proofing could be used. Its use makes a building more fireproof and it leaves no place for the accumulation of vermin and germs; it insures dry walls and protects the wallpaper and paint.

"Hydroseal" is composed of various gums, scientifically compounded. It is a hydro-carbon and does not contain inferior materials.

This material penetrates the cement and brick on which it is applied and leaves on the surface an absolutely impervious film, which is not affected by water at any temperature. It is ready for immediate use and needs but to be thoroughly stirred before being applied. "Hydroseal" is made in several forms, each of which is adapted to meet some specific building condition.

Address Concrete Waterproof Paint Company, Builders' Exchange, Philadelphia, Pa.

### "Ironite" Flooring:

The Ironite Company have two booklets that they would like to mail to builders. They are "Ironite Flooring" and "Ironite Waterproofing," and describe the products of the Ironite Company.

Ironite Flooring is a powder to be admixed with cement and which causes certain chemical reactions, resulting in an impenetrable and extremely hard concrete. When this product has once been used it is considered a practical necessity for laying concrete floors in warehouses, factories, breweries, dairies, garages, depots and all other places where sanitary and durable floors are desired. Address the Ironite Company, Oxford Building, Chicago, Ill.

## ARCHITECTS WILL URGE BUREAU OF FINE ARTS

### Delegates from Philadelphia to American Institute Meeting Favor Federal Establishment.

Philadelphia delegates to the annual meeting of the American Institute of Architects, to be held in Washington, D. C., on December 10, 11 and 12, will urge the establishment of a Bureau of Fine Arts that will in effect take the place of the Tarsney act recently repealed. The repeal of this law, that for twenty years existed to the benefit of the country, was fought by a committee of architects from the American Institute, of which John Hall Rankin, of this city, was chairman. According to Mr. Rankin, his committee was not able to clearly get at the foundation of the opposition to the act. But two objections were made clear by those opposing it. One was the allegation that the Tarsney act, which permitted public competition in the preparation of plans for Government buildings, cost more than if the work were done by Government architects. The law was not mandatory, and the Secretary of the Treasury was given the liberty of holding these competitive opportunities as he saw fit. This was the second reason given against the law, "that the Secretary of the Treasury was given too much freedom."

Mr. Rankin's committee established clearly that instead of costing the Government more money to have plans drawn by outside architects, in reality money was saved to Uncle Sam. It was shown that to have the work

done by supervising architects from the Treasury Department cost about twice as much as when done by outside architects.

The Tarsney act was introduced by the Congressman of that name from Missouri and became a law in 1893. Government architecture at that time was low ebb, and there was need for ideas.

Since the repeal of this law there is no department or branch of the Government to supervise constructive work. Each department does its own work, and to all new buildings authorized by Congress it will be necessary to attach how the work shall be planned and done.

The Philadelphia delegates, who number eleven, will voice their views on the formation of a Bureau of Fine Arts that will have charge of all constructive work of the Government, and be a separate department by itself, with the possibility of a new member being added to the President's Cabinet. The delegates are John Hall Rankin, Horace W. Sellers, D. K. Boyd, C. L. Borie, Jr., E. P. Bissell, A. H. Brockie, T. M. Kellogg, Albert Kelsey, John Molitor, F. Miles Day and E. A. Crane.

The Philadelphia Chapter of the American Institute of Architects is the third largest chapter in the United States.

### IF YOU HAD SOME ONE TO TELL YOU—

Who was building, where, the name of the architect and contractor, the kind of materials to be used, the cost, etc., in time for you to bid or work in your line, you'd consider him a pretty good friend, wouldn't you?

Well, this is precisely what The Guide tells you week after week, every issue, for fifty-two weeks in the year. And the cost of getting this information in your mail every Thursday morning is just \$5.00 a year.

**Less than Ten Cents a Week!**

And The Guide gives you, in addition to all this timely and valuable news of new building projects all the other news to be gathered in the building trades, such as

### Material and Equipment Notes.

Keeping you informed on every new device, material or specialty introduced to the trade.

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Giving you the personal gossip about men

of note in the construction, architectural, material and engineering callings.

### "Editorial."

Discussion by a trained observer of questions of trade moment, and a budget of less important features, including half-tone illustrations of new and notable bits of architecture and interior fittings.

### Are You a Subscriber?

When you want to find the address of the man who "doesn't believe in advertising," don't look up a directory. Just ask the sheriff.

### REAL ESTATE TRANSFERS.

Summary for week ending November 2, 1912:

Number of transfers .....	718
Amount of transfers .....	\$1,624,787.18
Cash consideration .....	386,961.85
Mortgage consideration .....	1,237,824.33
amounts to .....	58,736.00
Ground rent consideration .....	3,524.16
Which on a 6 per cent. basis	



# Reference Directory for Architects, Builders and Owners

## Artesian Wells.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.,  
Bourse Bldg., Phila.

## Artists' and Architects' Supplies.

F. Weber & Co., 1125 Chestnut st., Phila.

## Awnings

Bernard McCurdy,  
N. E. Cor. 9th and Arch sts., Phila.

## Brick (Face, Etc.)

O. W. Ketcham, Builders' Exchange, Phila.

## Brick Renovating.

Adolph Christensen,  
1433 Brown st., Phila.

## Blue Prints

Blue Print Co., 1516 Chestnut Street, Phila.

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Isaac A. Sheppard & Co.,  
Erie ave. and Sepviva st., Phila.

## Builders.

Mitchell Bros., 2125 Race St., Phila.  
Pomeroy Const. Co., 1609 Ranstead st., Phila.

## Builders' and Contractors' Machinery.

Henry T. Peirce, Bulletin Bldg., Phila.

## Canvas Roofing.

The Franklin Paper Co.,  
718 Cherry st., Phila.

## Cement.

Samuel H. French & Co.,  
4th and Callowhill sts., Phila.  
Chas. Warner Co., Land Title Bldg., Phila.  
Knickerbocker Lime Co.,  
266 N. 24th St., Phila.

## Cement and Asphalt Paving.

Wm. Krause, 1621 N. 5th St., Phila.

## Cement Colors.

Samuel H. French & Co.,  
4th and Callowhill sts., Phila.

## Cold Water Painting.

William B. Southern,  
N. W. Cor. 12th and Spruce sts., Phila.

## Concrete Engineer.

Conklin Engineering Co.,  
Heed Building, Phila.

## Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,  
10th and Chestnut Sts.

## Elevator (Lubricators.)

American Engr & Mfg. Co.,  
Real Estate Trust Bldg., Phila.

## Engraving, Photo and Line.

Chestnut Street Engraving Co.,  
7th and Chestnut sts., Phila.

## Fire Protection Equipment.

Jas. Boyd & Bros.,  
25th and Wharton sts., Phila.

## Flag Poles (wood and steel).

Bernard McCurdy,  
N. E. cor. 9th and Arch sts., Phila.

## Floors and Floor Finishing.

Andrew Pinkerton, 3034 W. York st., Phila.  
Fritz & La Rue,  
4800 Parkside ave., Phila.  
Keystone Hardwood Floor Co.,  
7 S. 16th st., Phila.  
Thos. E. Sloan & Co., 802 Walnut st., Phila.

## Furnishers and Decorators.

Duncan & Duncan, Inc.,  
1724 Chestnut st., Phila.

## Furnaces and Ranges.

Bartlett & Co., 1938 Market st., Phila.  
Henry M. Miller, 40 N. 2nd st., Phila.  
Isaac A. Sheppard & Co.,  
Erie Ave. and Sepviva St., Phila.

## Gas and Gas Appliances.

United Gas Improvement Co.,  
Broad and Arch sts., Phila.

## Graphite Paint.

Jos. Dixon Crucible Co.,  
1020 Arch st., Phila.

## Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

## Heating (Warm Air.)

Makin Heating Co., 6 N. 18th St., Phila.

## Iron Work (Structural and Ornamental).

W. E. Wark & Co., 1737 Filbert st., Phila.

## Lighting Fixtures.

Logue-Stronge Mfg. Co.,  
435-37 N. Broad st., Phila.

## Metal Furniture.

Edward Darby & Sons Co.,  
233 Arch St., Phila.

## Metal Tile.

American Perfectile Co.,  
1526 Sansom St., Phila.

## Marble Mosaic.

Belfi Bros. & Co.,  
20-22 S. 19th st., Phila.

## Metal Doors and Trim.

R. R. Hammond & Co.,  
Land Title Bldg., Phila.

## Mill Work.

Frank C. Snedaker & Co.,  
9th and Tioga sts., Phila.

## Mortar Colors.

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## Mouldings (room and picture).

B. B. Funston, Inc. 146 N. 10th st., Phila.

## Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th St., Phila.  
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4th and Callowhill sts., Phila.  
Pyramid Paint Co., 131 N. 22nd st., Phila.  
E. E. Nice 272 S. 2nd St., Phila.  
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## Refrigerators.

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## Roofing Slate.

C. F. Shellenberger,  
Builders' Exchange, Phila.

## Roofing Slate (black and colored)

Wm. Moore Co.,  
Real Estate Trust Bldg., Phila.

## Roofing Tile.

C. F. Shellenberger,  
Builders' Exchange, Phila.  
O. W. Ketcham, Builders' Exchange, Phila.

## Real Estate and Mortgages.

Hazlett & Moss, 518 Walnut st., Phila.

## Safety Treads.

R. R. Hammond & Co., Land Title Bldg., Phila.

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Woodoleum Flooring Co.,  
Betz Building, Phila.

## Sewer Pipe and Flue Linings.

C. F. Shellenberger,  
Builders' Exchange, Phila.

## Sash Pulleys.

American Pulley Co.,  
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Ridpath & Potter Co.,  
Bourse Bldg., Phila.

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Real Estate Trust Bldg., Phila.

## Stair Builders.

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9th and Tioga Sts., Phila.

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Conklin Engineering Co.,  
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Frank N. Kneas,  
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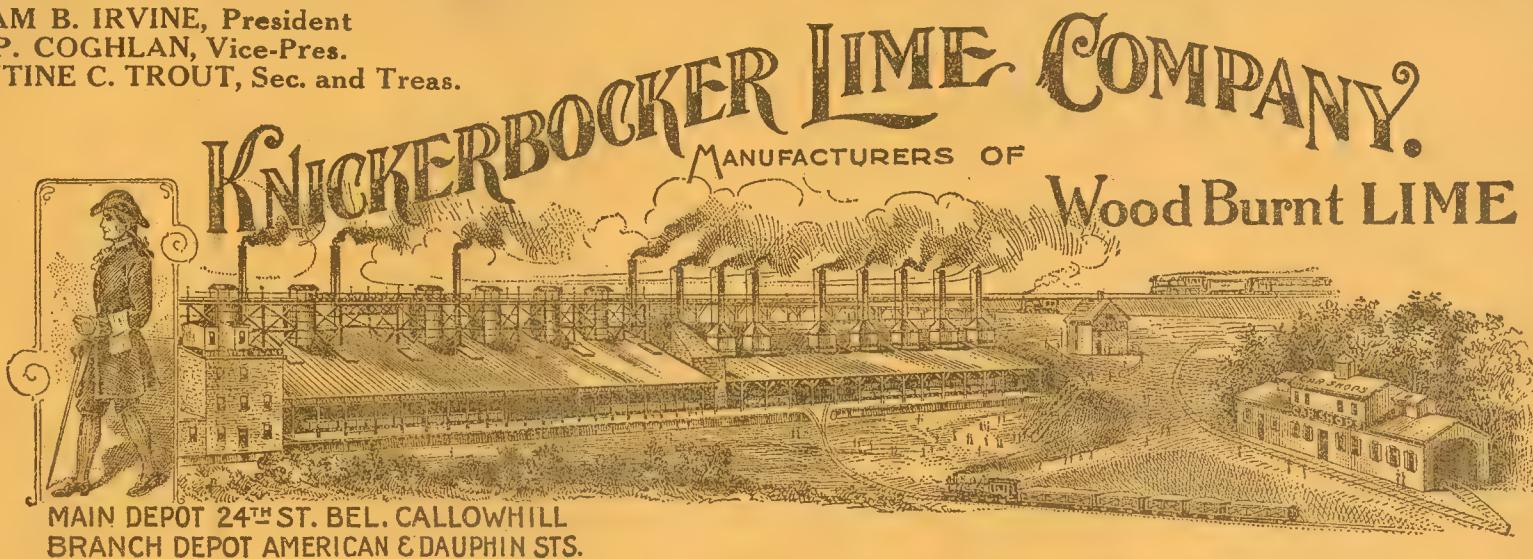
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CONTRACTOR

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The economical, clean and dependable method of automatically  
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Vol. XXVII., No. 46.

PHILADELPHIA, WEDNESDAY, NOVEMBER 13, 1912.

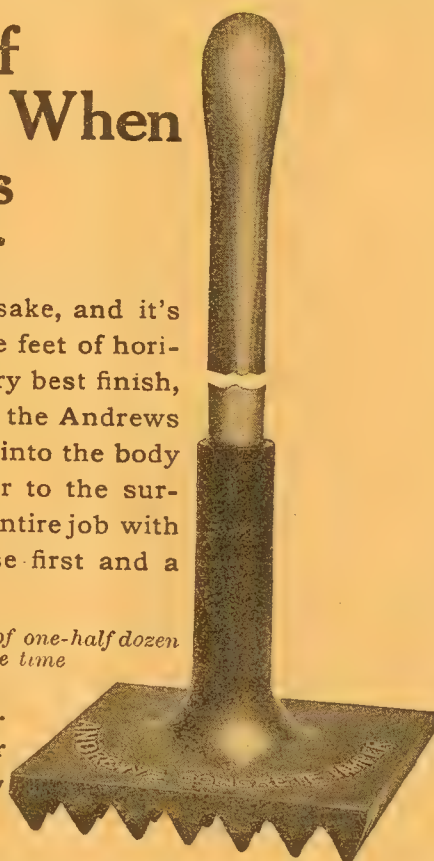
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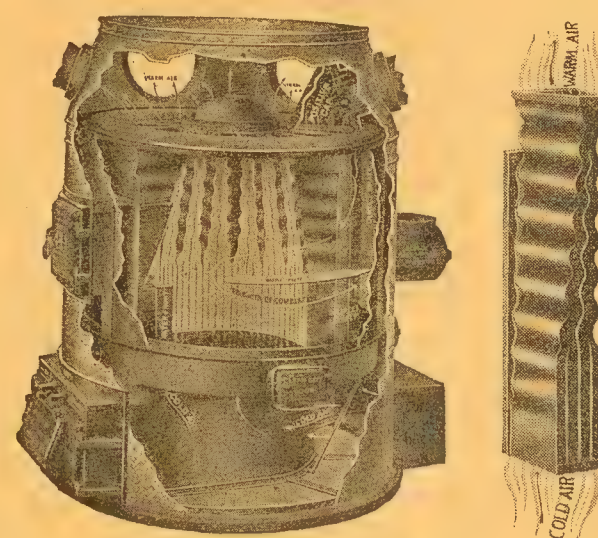
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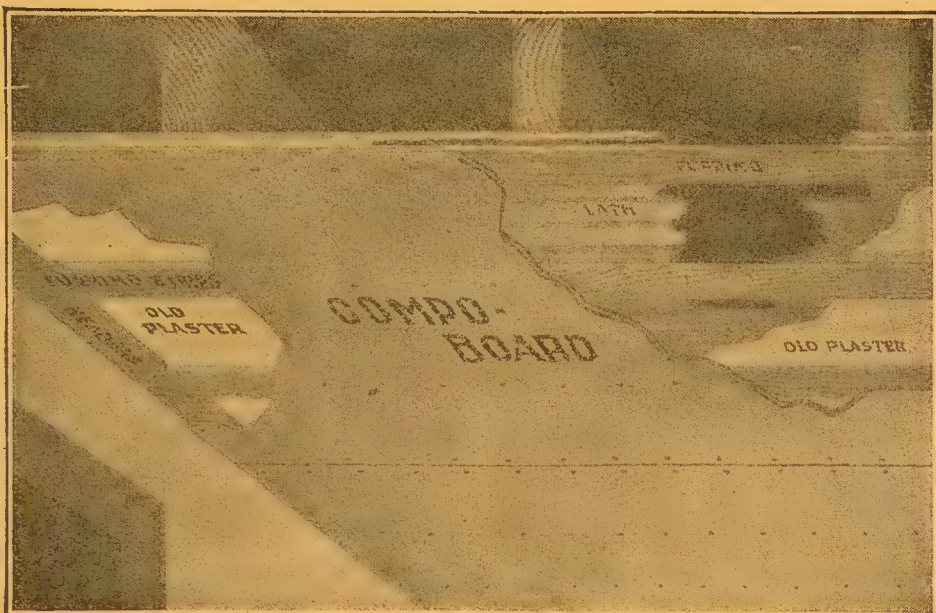
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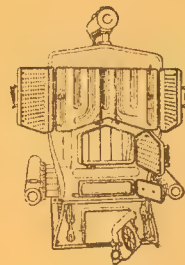
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# THE PHILADELPHIA REAL ESTATE RECORD AND *Builders' Guide*

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXVII., No. 46.

PHILADELPHIA, WEDNESDAY, NOVEMBER 13, 1912.

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## Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Residence**, Greenwich, N. J. Architects, Morris & Erskine, Crozer Building. Owner, Dr. A. H. Goodwin, Greenwich, N. J. Brick, two and one-half stories, 62x37 feet, shingle roof, hot air heating. Plans in progress. Architects will take bids in a few days.

**Library**, Cambridge, Mass. Cost, \$1,000,000. Architect, Horace Trumbauer, Land Title Building. Owner, Harry Elkins, Widener Memorial Library of Harvard University. Three stories, 149x253 feet, Harvard brick, granite, limestone, steel, fireproof, Rutland and Tennessee marble, electric lighting, steam heating. Architects taking bids due November 22 at noon. The following are figuring: James G. Doak & Co., Crozer Building; George F. Payne & Co., 401 South Juniper street; George A. Fuller Company, 131 State street, Boston, Mass.; J. W. Bishop Company, 683 Atlantic avenue, Boston, Mass.; Woodbury & Leighton Company, 201 Devonshire street, Boston; Whidden & Co., 155 Milk street, Boston; Charles T. Wills, 286 Fifth avenue, New York City; John T. Brady Company, 103 Park avenue, New York City.

**Theatre**, Seventh and Wolf streets. Cost, \$50,000. Architect's name withheld. Owners, Levick & Woldow, 1829 South Seventh street. Brick and concrete, fireproof, one story, 60x150 feet. Plans in progress. Owners will soon take bids.

**Offices**, Stock Exchange Building. Architects, DeArmond, Ashmead & Bickley, 618 Chestnut street. Owners, C. Clothier Jones & Co., Real Estate Trust Building. Consists of mahogany partitions, hardwood floors, indirect lighting system, etc. Plans in progress. Architects will take bids in about ten days.

**High School**, Newark, N. J. Architects, E. F. Guilbert, Newark, N. J. Owners, Board of Education, Newark, N. J. Brick, granite, terra cotta, fireproof, electric light, steam heat, slag roof, elevators, Sayre & Fisher red and A. S. Reid brick, Knoxville marble. Owners taking bids due November 20. The following are figuring: Irwin & Leighton, 126 North Twelfth street, and A. Bottoms & Sons Company, 41 South Fifteenth street.

**Armory**, Richmond, Va. Architects, Carneal & Johnson, Richmond, Va. Owners, First Regiment Armory, City of Richmond, Va. Brick, two stories, electric light, steam heat. Owners taking bids. Metzger & Wells, Heed Building, Philadelphia, is figuring.

**Warehouses** (alt.), 1825 to 1829 Market st.

Architect, William C. Haddock, Wanamaker Store, Thirteenth and Market streets. Owner, John Wanamaker, Thirteenth and Market sts. Consists of new front and interior alterations. Owners have received bids.

**Residence**, Haverford, Pa. Cost, \$25,000. Architect, D. K. Boyd, Northeast corner Fifteenth and Walnut streets. Owner, Alfred B. Eaton, People's Gas Company Building, Chicago, Ill. Stone and rough cast, two and one-half stories, 90x40 feet. Plans in progress.

**Warehouse**, 308-14 Master street. Architect's private plans. Owners, B. Bernheim & Sons, 1401 North Third street. Brick, three stories, 60x60 feet, slag roof, electric light. Plans in progress. Owner will take bids.

**Garage** (alt.), 661 North Broad street. Architects, Anderson & Haupt, Drexel Building. Owner, Charles Goldman, 731 Walnut street. Brick, three stories, steam heat, electric light, elevators. Owner taking sub-bids on all work.

**Hospital** (alt. and add.), 1920 Race street. Architects, E. F. Durang & Sons Company, Twelfth and Chestnut Streets. Owner, Monahan Hospital, 1920 Race street. Brick, three stories, slag roof, electric light. Architects have received bids.

**Storage House**, Nazareth, Pa. Architect's private plans. Owners, Nazareth Portland Cement Company, on premises. Frame, two stories, 36x200 feet, slag roof, electric light. Owners taking bids due November 15. Metzger & Wells, Heed Building is figuring.

**Post Office** (alt. and add.), Auburn, N. Y. Architect, Oscar Wenderoth, Washington, D. C. Owners, U. S. Government, Washington, D. C. Stone and brick, one story, slag and copper roof, electric light, steam heat. Owners taking bids due December 9. The following are figuring: J. W. Enery, 1524 Sansom street; J. E. & A. Pennock, Land Title Building.

**Residence** (66), Marcus Hook, Pa. Architects, Ballinger & Peritt, 1211 Arch street. Owners, American Viscose Company, Marcus Hook, Pa. Brick, two and one-half stories, 24x33 feet, slate roof, electric light. Architects taking bids due November 16. H. Brocklehurst, 512 West Norris street, only bidder.

**Church and Parish House**, Sixteenth and Allegheny avenue. Architects, Thomas, Churchman & Moliter, 1309 Walnut street. Owners, All Souls P. E. Church for Deaf Mutes care of Rev. C. O. Dantzor, 3525 North Nineteenth street. Stone, one and two stories,

70x132 feet, slate roof, electric light, steam heat. Architects taking revised bids due November 13. H. H. Burrell, 1202 Chancellor street, is only bidder.

**Residence**, Atlantic City, N. J. Architect, William S. Hewitt, Bartlett Building. Owner, L. C. Short, Atlantic City, N. J. Brick and frame, two stories, 30x40 feet, slag roof, electric light, hot water heat, hardwood floors. Architect taking bids due November 14. H. E. Baton, Tenth and Sansom streets, is figuring.

**Stores, Theatrea nd Amusement Buildings**, New Jersey avenue and Boardwalk, Atlantic City, N. J. Architects, Simon & Bassett, 1112 Chestnut street. Owners, Pier Realty Company, 409 Arch street. Brick, steel, concrete, fireproof, plaster, hollow tile, hot water heat, electric light, tile roof. Architects taking sub-bids on all work.

**Alumni Building**, Broad and Columbia avenue. Architects, Pilcher & Tachsu, 109 Lexington avenue, New York City. Owner, Keneseth Israel Congregation, care of Leon Merz, chairman, Third and Brown streets. Brick and limestone, two stories. Owners taking bids due November 18. The following are figuring: Sax & Abbott Construction Company, Hale Building; J. E. & A. L. Pennock, Land Title Building; James G. Doak & Co., Crozer Building; Jacob Myers & Sons, Witherspoon Building; H. C. Rea Company, 1027 Wood street; A. R. Raff, 1635 Thompson street; Wm. Steele Sons, 1600 Arch street; Cramp & Co., Denekla Building; Charles McCaul Company, Tenth and Sansmo streets; William R. Dougherty, 1608 Sansom street.

**Library**, Cambridge, Mass. Architect, Horace Trumbauer, Land Title Building. Owner, George D. Widener, Memorial Library. Stone, two stories. Plans about completed. Architect will soon take bids.

**Apartment House**, Atlantic City, N. J. Architect, Frank Seeburger, Pennsylvania Building. Owner, John Stafford, 1114 Chestnut street. Brick, three and four stories, 50x241 feet, slag roof, steam heating. New plans in progress.

**Residence** (remodeling), Glenside, Pa. Architect, Frank Seeburger, Pennsylvania Building. Owner, Frank K. Renninger, 49 South Broad street. Stone and timber, two and one-half stories, shingle roof, hot water heater. Owners taking revised bids. M. E. Hauser, Glenside, Pa., only bidder.



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**Building (alt. and add.),** Fifteenth and Market streets. Architects, Stewartson & Page, 420 Walnut street. Owner, A. C. Harrison, Fifteenth and Market streets. New bulk windows, stone, steel and glass, electric light. Architects have received bids.

**Theatre,** Twenty-third and South streets. Architect, M. H. Dickinson, 1524 Chestnut street. Owner, name withheld. Brick, one story, 50x100 feet, slag roof, steam heating, electric lighting. Plans in progress.

**Apartment House,** 1117-1119 Spruce street. Architect, M. H. Dickinson, 1524 Chestnut street. Owner, F. C. Michaelsen, Land Title Building. Brick and steel, concrete floors, fireproof, eight stories. Preliminary plans in progress.

**Flat House,** Harrison street and Frankford avenue. Architect, M. H. Dickinson, 1524 Chestnut street. Owner, Frankford Apartment House Company, care of architect. Brick, four stories, 54x150 feet, slag roof, steam heating, electric lighting. Plans in progress.

**Residence,** Malvern, Pa. Cost, \$12,000. Architects, Charles W. Bolton & Son, Witherspoon Building. Owner, Dr. C. P. Hollis Lapp, Malvern, Pa. Hollow tile and plaster, two

and one-half stories, 35x45 feet, slate roof, hot water heating. Owner is taking bids.

**Factory,** Front and Federal streets. Camden, N. J. Architect, Joshua C. Jefferies, 1001 Chestnut street. Owners, Collings Carriage Company, Front and Market streets, Camden. Brick and concrete, three stories, 90x100 feet. Revised plans completed. Architects ready for new bids.

**Saloon (alt.),** Levering & Cresson streets, Manayunk, Pa. Architects, Peuckert & Wunder, 310 Chestnut street. Owner, James J. Cunnie, on premises. Consists of general alterations, new heating system, etc. Architects are taking bids.

**School,** Atlantic City, N. J. Cost, \$150,000. Architects, Stout & Riebenack, Bartlett Building, Atlantic City. Owner, Board of Education of Atlantic City. Brick, terra cotta and concrete, four stories. Plans completed. Owners will be ready for bids in a few days.

**Apartment Houses (2),** Wayne and Wyoming avenues. Architects, M. H. Dickinson, 1524 Chestnut street. Owner, F. C. Michaelsen, Land Title Building. Brick and limestone, four stories, 55x123 feet, red brick, slag roof, electric lighting, steam heating, hardwood floors. Owner taking sub-bids.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Factory, (add.),** Eleventh street and Washington avenue. Architect, private plans. Owner, John Wyeth & Bros., on premises. Concrete. Consists of three additional stories. Contract awarded to John R. Wiggin Co., Heed Building.

**Garage,** Broad and Rockland streets. Architect, William Allen Dunn, 3435 Walnut street. Owners, Home Service Garage, care Mr. Henry, of the Wetherill Engine Company, Chester, Pa. Brick, one story, 55x114 feet, slag roof, electric light (heat, resedved). Contract awarded to G. J. Reich, 1112 Loudon street.

**Residence,** Germantown, Pa. Architects, Lachman & Murphy, Witherspoon Building. Owner, Frank Busser, care of Architect. Stone, two and one-half stories, 30x50 feet, slate roof, vapor vacuum heat (hardwood floors and electric light, reserved by architect). Contract awarded to J. Sims Wilson, 1125 Brown st.

**Residence,** 2003 DeLancey street. Architects, Stewartson & Page, 420 Walnut street. Owner, George L. Harrison, Jr., on premises. Brick, four stories, tin roof, electric light, hot air and hot water heat. Contract awarded to William R. Dougherty, 1602 Sansom street.

**Platform and Shelter Shed,** Arkansas and Arctic avenues, Atlantic City. Architects, William Hunter, Twelfth and Market streets. Owners, Philadelphia and Reading Railroad Company, Reading Terminal. Concrete and steel, 20x48 feet, electric light, slag roof. Contract awarded to F. A. Havens, 845 North Nineteenth street.

**Boiler House,** Commercial and Mifflin sts. Architects, Savery, Scheetz & Savery, Stephen Girard Building. Owner, Crew Levie Oil Company, Land Title Building. Brick, one story, 34x45 feet, slag roof. Contract awarded to F. A. Havens, 845 North Nineteenth street.

**Residence (alt. and add.),** 220 West Upsal street. Architects, Harris & Richards, Drexel Building. Owner, John McIlhenny, 220 West Upsal street. Stone, two stories, electric light,

steam heat, tin roof. Contract awarded to W. J. Gruhler, 219 High street.

**Warehouse,** Twenty-first and Arch streets. Architects, Hayes, Roberts & Rehfuß (Associates), 1524 Chestnut street. Owner, William H. Maule, 1707 Filbert street. Brick, fireproof, eight stories, 60x108 feet, electric light, steam heat, slag roof, elevators. Contract awarded to Cramp & Co., Denekla Building.

**Factory (add.),** Twenty-sixth and Parrish streets. Cost, \$10,000. Architect's private plans. Owner, Finnesy & Kobler, on premises. Brick, three stories. Contract awarded to Smith-Hardican Company, 1606 Cherry street.

**Recreation Park** Twenty-second and Sedgley avenue. Architect, Philip H. Johnson, Land Title Building. Owner, City of Philadelphia. Consists of wading pool and shelter and occupation shelter. Bids were opened as follows: J. W. Emery, \$2,200; Mitchell Bros., \$2,598; W. E. Dotts & Co.; \$3,298; W. J. Chase, \$3,310.

## ESSENTIALS OF A MODERN APARTMENT HOUSE.

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# Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

Mr. Henry (C), 4912 North Twelfth street.  
G. J. Reich (C), 1112 Souden street. Cost, \$6,850. Garage, brick, one story, 55x17 feet, Broad and Rockland streets.

George F. Heaht (O), 3118 South Eighty-seventh street. Cost, \$2,400. Two dwellings, brick, two stories, 14x36 feet, 8745-47 Erwing avenue.

B. Goodritz (O), 1329 South Fifth street. Cost, \$10,000. Theatre, brick, one story, 32x115 feet, 415 to 417 Moore street.

Young Women's Union (O), Fifth and Bainbridge streets. James Connor (C), 2848 Frankford avenue. Cost, \$12,000. Home, brick, two stories, 20x43 feet, 420 Bainbridge street.

William Yost (O), 2751 Frankford avenue. Cost, \$3,200. Two dwellings, brick, two stories, 70x112 feet, 2867-69 Jasper street.

J. A. Wood (O), 416 Land Title Building. Cost, \$8,000. Four dwellings, brick, two stories, 15x40 feet, Sixteenth and Toronto streets. Cost, \$41,400. Twenty-three dwellings. Cost, \$8,000. Four dwellings. Cost, \$41,400. Twenty-three dwellings. Cost, \$4,500. One store and dwelling. Cost, \$50,000. Twenty-five dwellings.

J. F. Zimmerman (O), Philadelphia. Cost, \$75,000. Theatre, Twenty-sixth street and Girard avenue.

W. E. Shock (O), 7326 Second street pike. Cost, \$3,600. Two dwellings, brick, two stories, 16x40 feet, D street and Stanwood avenue.

Philadelphia Rapid Transit Company (O), 810 Dauphin street. Cost, \$4,500. Boiler house, brick, one story, 45x55 feet, York road and Pike street.

George Seebold (O), 131 East Wyoming avenue. Cost, \$8,000. Four dwellings, brick, two stories, 20x87 feet, A street and Wyoming avenue.

Crew-Levick Oil Co. (O), Land Title Building. F. A. Havens (C), 845 North Nineteenth street. Cost, \$2,500. Boiler house, brick, one story, 35x75 feet, Commercial and Mifflin streets.

Philadelphia Rapid Transit Co. (O), Eighth and Dauphin streets. Cost, \$4,000. Car house, brick, one story, 35x75 feet, Tenth and Luzerne streets.

Elizabeth Osborne (O), 5017 Willow street. George R. Osborne (C), 5017 Willow street. Cost, \$7,800. Four dwellings, brick, two dwellings, 14x27 feet, 4915 to 4921 Mulberry street.

Fred Gaupner (O), Wagner and Tabor road. Cost, \$5,000. Three stories, stone, 29x40 feet, Cheltenham avenue and Eleventh street.

George Costello (O), Midvale avenue and Ridge avenue. S. S. Greene (C), 415 Fountain street. Cost, \$10,000. Five dwellings, brick, two stories, 15x42 feet, Frederick and Midvale avenues.

Martin Maloney (C), 5900 Spruce. Cost, \$4,000. Store and dwelling, brick, two stories, 18x56 feet, 5800 Pine street. Cost, \$3,500. Residence. Cost, \$72,500. Twenty-nine residences.

Mark Haller (O), 1803 South Eleventh street. Cost, \$ ,000. Apartments, brick, three stories, 16x30 feet. Fifth and Jackson streets. Cost, \$24,000. Eight dwellings. Cost, \$10,500. Three dwellings. Cost, \$2,500. One dwelling. Cost, \$7,000. Two dwellings.

J. W. Ottinger (O), 2123 Market street. Cost, \$2,100. Factory, brick, two stories, 22x72 feet, 5410 Jefferson street.

Kensington Hospital for Women (O), 132 Diamond street. A. H. Williams & Son (C), 419 Locust street. Cost, \$6,000. Hospital, one story, 45x32 feet, Fontane and Waterloo streets.

William R. Dougherty (C), 1608 Sansom st. Cost, \$19,000. Dwelling.

Andrew Miller (O), 331 Church lane. B. P. Evans Co. (C), Thirteenth and Wallace streets. Cost, \$1,150. Garae.

g Becker Bros. (O), Eighteenth street and Snyder avenue. Mark Haller (C), 1803 South Eleventh street. Cost, \$6,000. Theatre, Fifth and Jackson streets.

Peter Lohr (O), 3510 North Mervine st. Zeigenjus Bros. (C), 1307 Venango street. Cost, \$1,200. Laundry.

A. C. Keeley (O), 2215 North Front street. H. P. Schneider (C), York road. Cost, \$1,000. Store.

J B. Cornell (O), 2110 Ridge avenue. F. I. Wintz (C), 1618 North Twenty-seventh street. Cost, \$2,800. Dwelling, 2102 Bolton street.

J. H. Schall (O), 1611 Filbert street. Stacey Reeves & Sons (C), 1611 Filbert street. Cost, \$1,800. Store, 2011 Market street.

Provident Life and Trust Co. (O), 408 Chestnut street. A. Whitehead (C), 1624 Latimer street. Cost, \$3,000. Factory, Eleventh and Race streets.

Hope Reformed Church (O), Haverford avenue and Robinson street. Koelle-Speth Co. (C), Twenty-sixth and Oxford streets. Cost, \$7,000. Church.

Baltz Brewing Co. (O), Thirty-first and Thompson streets. Cost, \$3,500. Brewing house, Thirty-first and Thompson streets.

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Dr. Joseph Sailer (O), 1830 Spruce street. Irwin & Leighton (C), 12 North Twelfth street. Cost, \$800. Residence.

H. Sougian (O), 13 North Fifty-third st. Cost, \$1,100. Store and dwelling, 268 South Sixtieth street.

Resnid & Hoffman (O), Twentieth and Reed streets. Charles Walters (C), 525 South Twenty-seventh street. Cost, \$980. Moving picture parlor, Twentieth and Reed streets.

Seedman & Getz (O), 1312 North Sixth street. Cost, \$900. Dwelling and store, 711 Oxford street.

John Cadwalader (O), 263 South Fourth

street. Louis Cohen (C), 417 Christian street. Cost, \$800. 515 North Second street.

A. Fisher (O), Wissahickon avenue. H. H. Burrell (C), 1204 Chancellor street. Cost, \$750. Residence, Wissahickon avenue.

R. M. Coyle (O), 423 Walnut street. J. Johnston (C), 1721 Ludlow street. Cost, \$1,000. Office.

Joseph Graf (O), 1917 Westmoreland street. B. F. Erwin (C), 3324 street. Cost, \$750. Store.

J. McIlhenny (O), 220 West Upsal street. W. J. Gruhler Co. (C), 219 High street. Cost, \$1,800. Dwelling.

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N. SERRACINO, New York Architect, in "Building Management."

(Gold Medal Winner, International Exhibition at Turin, Italy)

The defective construction of some buildings and the unbridled freedom with which some men pretending to be architects or engineers practice these professions in the United States, prompts me to suggest the Italian laws which restrict the practice of any profession to those who have the requisite knowledge and skill for it.

Every one understands how foolish and wrong it is to make use of false professionals. Aside from the fact that other men will suffer, who, at great sacrifice and considerable expense obtained the right to practice, one runs the risk of not getting a worthy piece of work, all this resulting from the incompetence of the person engaged.

The average architect in this country has very little schooling. He starts as an office boy or architectural student. He then learns to trace plans and blankly glares at figures and arrangements. He has never studied the strength of material, the theory of heating, ventilating, plumbing, electricity, the decoration of a building and the various other features of architecture which a competent architect must know.

### One Reason for "Extras."

One, thinking he is getting a great bargain, will often engage a draftsman who will prepare plans and specifications for a small sum of money. The usual result is, the plans and specifications do not conform and the building contractors take advantage of the fact asking the owner for extra compensation which very often exceeds the amount saved by employing a mere draftsman instead of a competent architect.

It is easy to realize that these draftsmen who turn out plans quickly and for little money do not study special problems and cannot employ specialists to design the different kinds of work.

As an instance of the unbridled freedom with which some men pretending to be architects practice this profession, I personally know a man who has no knowledge of architecture and who has been commissioned to prepare plans and specifications. He has asked me to prepare same for him and have his name appear as architect. This individual has three sets of cards, one as an architect which he presents to people who contemplate erecting a building, another as a builder

which he presents to people who have already selected an architect, and another of an entirely different business.

A number of buildings in New York City, planned by the so-called "architects" who grind out plans and specifications in a factory system, are erected by speculative builders who change the plans, their object being to construct a building for as little money as possible, regardless of its safety or beauty.

### As They Are Dealt With in Italy.

The following code is rigidly enforced throughout Italy:

Art. 186, Penal Code: "Any person unlawfully assuming any professional degrees shall be made liable to a fine of from 50 to 1,000 francs. The judge may order the summary of the sentence to be published in any newspaper at the expense of the offender."

It follows that a person cannot claim to be an architect or an engineer without holding a relative diploma from the government school authorities, which are the only ones authorized by law, through the Royal Decree of July 28, 1866, No. 3,143.

Besides being a graduate, every professional is required by law to practice his profession with competence and integrity of conscience under pain of a suspension from the professional practice as indicated by Art. 11 of the Penal Code, as well as in the following:

Art. 25, Penal Code: "The suspension from practice of any profession or art shall cover a period of from 3 days to 2 years."

Art. 35, Penal Code: "Any sentence for the abuse of a profession or art, the practice of which required a special training or license, shall result in the suspension from the practice of said profession or art for a period corresponding to the period of imprisonment inflicted or which might result in case of insolvency of a pecuniary pain."

### Protection of Life and Property.

Furthermore, the Italian laws protect the landlords and the life of the citizens with the following articles:

Art. 471, Penal Code: "Any person who may have taken part in the design or construction of an edifice shall in case the latter should ruin because of negligence or ignorance and without any damage to the welfare of others, be punished with a fine of not less



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than 100 francs, to which may be added the suspension from practice of his profession or art.

"The provision of the above article may be applied to cases of ruin of any scaffolding used in the construction of buildings, etc."

**Liability Lasts for Thirty Years.**

Art. 1639, Civil Code: "If during the course of ten years from the day of completion of an edifice or any other notable work such edifice or work should wholly or partly ruin or should show evidence of danger in ruining, cause being a defect in the construction or of the ground beneath, the architect and contractor shall be held responsible."

"The action for an indemnity should not be brought forward any later than two years after the day in which one of the cases above mentioned may have been verified."

The above ten years' limit, however, does not excuse architects or contractors who may have executed fraudulent work. In the latter case is applied the thirty-year limit, which begins from the day in which the fraud was discovered. (Lapage-Laws on Edifices, Vol. II, page 12; Levi, Location on Work No. 277; Civil Tribunal of Senna, June 30, 1874, Masselin, page 156).

The above mentioned rules cannot be altered by special agreement, or otherwise for the benefit of the architect, contractor or owner because they are classified as of a public nature mainly to protect the lives of the citizens.

**Building Department Lives Up to Its Name.**

Whoever takes charge of any construction work must, furthermore, make himself acquainted with the local city rules and regulations. To accomplish this purpose there exists, in every city, a building department, which examines the plans and inspects the construction, while another commission, consisting of the Mayor or an assessor, by him appointed, which presides and with twelve members nominated by the City Council, gives its opinions and suggestions regarding the art and beauty of a city.

A municipal engineer acts as secretary in said commission and takes record of the deliberations. This is another very important thing to be looked after in order to assure the beautifying of a city.

In this connection I must express my admiration for the beautiful work done by some American architects which goes to prove that it is shameful to allow any tradesman to build deformities which better resemble some feverish dreams.

**Stringent Laws Would Protect the Profession.**

Since there are laws for lawyers and physicians similar to the above mentioned, it is hard to see why architects and engineers who

practice a profession much harder and more delicate should not receive due protection and abide by some rules which protect the public against the frauds and accidents so frequent in the United States.

If there was a law under which an owner, contractor, engineer or architect, or all could be punished with a heavy fine or imprisonment should a building or part thereof fall, due to neglect, there would be better buildings erected and fewer architects grinding out plans and specifications for so much per set and where responsibility ends with the making of the blue prints as is the case now.

The safety of the public and the beauty of our cities have been very much neglected and demand prompt attention and action on the part of four law-makers.

**LOS ANGELES IS HOLLOW TILE MAD.**

In no city on the Pacific Coast has there been such universal demand for hollow tile as in Los Angeles. In San Francisco most of the fireproof buildings have reinforced concrete floors and metal lath partitions. In Los Angeles the tendency is to use hollow tile in preference to concrete. They are even building residences of tile, and experts declare it is possible to build homes of this material as cheaply as wood. W. C. Denison, of Cleveland, Ohio, who, for several years, has given attention to the subject of the use of hollow clay tiles as a substitute for wood, writes:

"In communities where the proper kinds of tiles have been manufactured and the public informed as to the merits of this construction, it has been adopted with little short of wonderful rapidity. In Cleveland alone during 1911, 50,000,000 common brick have given place to tile. At the same time it has been demonstrated that it is nonsense to build a frame house when the 'hollow tile stucco' house (or tile faced with brick) can be built at practically the same cost and is far superior in every respect.

"Hollow tile is the coming building material the country over. Timber is becoming scarce and suitable clay is abundant.

"Manufacturers of hollow tile claim that this material can be set up much more rapidly than concrete, and once in position, plastering and any other work can proceed without delay, while with concrete, the workmen are obliged to wait till it dries. Concrete is not suitable for partition work and metal lath and plaster are more likely to be affected by a hot fire than terra cotta tile, as the latter is subjected to the severest kind of heat in manufacture."

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**THE CITY BEAUTIFUL.**

It is a time-worn phrase, "The City Beautiful"; yet to thoughtful minds these three words contain a sad reminder of opportunities for civic dignity and splendor that are being uniformly neglected in the upbuilding of the mighty cities of our western hemisphere, whose lusty growth is the wonder of all the world. The city wonderful, the city costly, the city luxurious, we have within our borders in plenty, but of the city beautiful, how few!

Therefore we welcome, as all lovers of their country should, the effort of the Municipal Art Society of New York to bring about co-ordination among those important interests which are concerned in a large way with the laying out of urban and suburban property, and the construction of the more important city buildings.

The failure of New York City, and most of the larger cities of the United States, to present to view those open plazas and spacious boulevards surrounded or flanked by municipal buildings of dignity, and so placed as to present a harmonious architectural combination, is not due to any lack of enterprise or want of capital for construction, but rather, and we might say almost entirely, to want of foresight, and the failure on the part of the municipal authorities, at least in the earlier days, to pay any attention whatsoever to the question of the future architectural and aesthetic appearance of the city.

Such important structures as railroad terminals, steamship and ferry docks and landings and bridges for spanning our great rivers, to say nothing of imposing municipal buildings, should always be planned with reference, not merely to their utilitarian purposes, but to their architectural fitness as related to the site on which they are built, and the character of the architecture by which the are, or in the future are likely to be, surrounded. The principal cause of the lack of beauty in our cities is to be found in the want of any such co-ordination and supervision in the years gone by. Almost invariably there has been too much individualism, and streets have been laid out and buildings erected according to the passing mood or whim of the city department or the supervising architect in charge. Hence that distressing lack of harmony which complete-



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ly robs of its charm a street, a public square, or a collection of civic and commercial buildings, which, had they been grouped on a well-ordered plan, would have possessed sufficient dignity and beauty to place them in rank with some of the finest and best districts in the older European cities.

The Municipal Art Society has communicated with the leading railroad interests and the commissioners of the tenement house, dock and other city departments having control of municipal buildings, and has requested their advice in drawing up a revised city plan which shall modify, as far as possible, present defects, and make provision for careful regulation in the future. Although we cannot pull down our cities to rebuild them upon a more wisely ordered plan, we can, at least, make sure that in future extensions or rebuildings the laws of harmony shall be considered. At the present time, hundreds of millions of dollars are being expended in New York alone upon construction, and it is the aim of the society to so direct this expenditure in regard to the aesthetic and architectural effects produced as to develop, in the course of time, a practical, comprehensive and ideal plan for the city of New York. To this end they will shortly issue a map of the new city as proposed, which will be scattered broadcast and posted in all public places. We heartily commend this movement to the attention of the citizens, not only of New York itself, but of every one of those great civic centres which the recent Federal census has shown to be having such phenomenal growth. —“Scientific American.”

### ARCHITECT MARSH COMES EAST.

Architect Norman F. Marsh, of Los Angeles, is making a tour of the Eastern States. He will visit his home in Illinois and also relatives in Georgia. Special attention will be paid to the study of school buildings and all of the larger cities which have made notable advances in school house design or construction will be visited. The trip will include New Orleans, Philadelphia, Boston, Washington, New York, Chicago, St. Louis and other cities. Mr. Marsh will return in November.

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## Architectural Notes

The People's Institute, New York, has arranged with Dr. Werner Hegemann, of Berlin, Germany, secretary of the committee for the architectural development of Greater Berlin and general secretary of the city planning exhibitions of Berlin and Dusseldorf, 1909, to come to America in the spring of 1913 to co-operate with American cities in the promotion of planning projects; to make town planning surveys and to lecture upon the subject. Engagements have already been made with several Eastern cities, but it is hoped arrangements can be made to keep Dr. Hegemann in this country for several months. Within the past ten years a wide interest in city planning has been awakened in this country. More than a hundred cities have undertaken projects for the building of civic centres, for a planning and housing surveys, the laying out of suburbs, the control of water and rail transportation and the building of docks, harbors and terminals. In the solution of these questions, German cities surpass the world, but it is a question if we can do under American conditions what it is possible to do in lands having a different governmental system. Some of our city planners are certain that we cannot.

\* \* \*

It has long been asserted by those familiar with the subject that government methods of designing and constructing public buildings are unbusinesslike and extravagant. The charge is renewed with details in the report recently made by the House Committee on Expenditures in Public Buildings. Though the committee condemns the practice of employing outside architects, this should have little bearing on real economy. If such architects are employed they should be selected by competition and their employment should cut down the cost of the permanently employed force. The outside architects have improved government architecture. That the office of the Supervising Architect of the Treasury costs \$3,000,000 a year and has no definite policy is, as the committee says, a condition calling for reform.

\* \* \*

As the result of a preliminary competition, ten more architects have been selected by the Court House Board of New York City to take part in the final competition for the position of architects of the new courts. The architects just selected to compete are Howells & Stokes, Kenneth M. Murchison and Howard Greenley, Maynicke & Franke, Chas. C. Haight, Aymar Embury, 2d, Griffin S. Wynkoop, Walker & Gillette, George & Edward Blum, Wilder & White, Guy Lowell, A. M. Githens, and Shire & Kaufman.

Those previously invited to submit plans were McKim, Mead & White, Carrere & Hastings, La Farge & Morris, Tracy, Swartwout & Litchfield, James Riely Gordon, H. V. Ma-

gonigle, York & Sawyer, Charles Butler & Charles Morris, Associated; Trowbridge & Livingston, A. W. Brunner, Cass Gilbert and George B. Post & Sons.

The program for the final competition has not yet been prepared. Altogether twenty-two architects will submit designs, and will receive \$1,000 each for their work.

The ten successful competitors were selected from forty-seven architects who submitted designs by a jury consisting of Robert S. Peabody, Frank Miles Day, and John Lawrence Mauran. (The full list of the architects who competed will be found in the “Record and Guide” of August 24.) The report of the jury says in part:

“The jury finds that many various types of solution are offered. In making its selection it has considered not only the applicability of these several types to the solution of your problem, but it has given due weight to the merits of the individual solutions as testimonies of their authors' skill in architectural design. This selection includes examples of many different types of plan, but the jury has not deemed it a part of its present duty to pass upon the relative merits of the types represented.”

The total cost of the new Civil Courts Building is estimated at \$30,000,000, of which sum \$10,000,000 will be required for the site, which is near the Criminal Courts Building.

\* \* \*

Stenton, one of the best known of the many Colonial seats still preserved in and around Philadelphia, was built in 1728 by James Logan, William Penn's trusted secretary, writes H. D. Eberlein, in “House and Garden.” It is in every way typical of the phase of Georgian architecture in vogue in the Colonies during the first half of the eighteenth century. The detail throughout is simple and severe, but withal full of grace. Above doors and windows the brickwork takes the form of much flattened arches or slightly arched lintels, whichever way one may choose to put it. Instead of the doorway being adorned with pediment and pilasters, such as were usual at a later date, the only embellishment is a narrow transom of six small square lights. The doorway is also higher in proportion its width than was usual at a later period. Some of the windows also, especially at the side of the house, are higher and narrower than in buildings erected at a subsequent date. The semi-circular steps are a unique feature of Stenton. The walls are of red and black brick laid in Flemish bond. In breadth the house is 52 feet and in depth 32 feet. Back of the house and separate from it are the servants' quarters, kitchens and various offices. The main door admits to an octagonal paneled hall paved with brick, back of which is another hall containing the staircase. In both these halls, and even on the



stairs, the Indians, who came to visit Logan and camped on the lawn and in the neighboring fields, sometimes slept in very severe weather. The large room in the southeast corner of the second floor was the library, which contained a remarkable collection of rare books. Stenton is now the property of the city of Philadelphia and is under the care of the Society of Colonial Dames of America, who have conscientiously restored it to its original state.

\* \* \*

The importance of color in any scheme of decoration is paramount, says the "Journal of Decorative Art" of London. Bad or indifferent forms well colored may easily pass muster, but, no matter how good the designs may be, if the color is faulty, then the result is poor; but, beyond the application of color where pattern is concerned, there is an immense field where no pattern is involved, and where the problem is to color only a plain surface. It may appear to some that it is attaching too much importance to a simple thing to describe this as a problem, but if any one thinks so he is falling into a grievous error. We have recently seen an instance of this, where an important public building is altered in its aspect entirely by a mistake of this kind. There are three divisions where the color has gone wrong. First, the staircase. This is always an important part in any place, but in the building under notice it is a feature. The woodwork is of polished pine, and age has turned it to a nice brown color. The walls have a paneled dado of the same wood, and the space between the dado and the ceiling is painted. This time it has been done a tone of blue.

This description may convey something or nothing, but the color in the actual work is a flagrant instance of hitting the wrong shade. It dulls the staircase, and makes it look sombre and devoid of interest. It hangs heavy on the sense as one traverses it up and down, and yet it is not much that is required to make it a success. A little more white and a little more yellow in it, and we should have had a tone that would have softened into the woodwork and illuminated the place. So fine, in a word, is the line that separates the work from what is successful to what is a failure.

The dining-room in the same building is a very fine, spacious apartment, with a pitch-pine ceiling, stained and varnished, and aged to a deep brown. A paneled dado goes some five feet up the walls, and then follows a large field of wall space that at one time has been megilped and combed, and afterwards painted and stenciled upon. Above

this is a frieze some six feet deep, broken up by dwarf shafts springing from the corbels which break the frieze into long panels.

Here were the conditions: A rich brown pine roof, a framed frieze and a rich paneled pine dado.

The frieze was painted a warm olive shade of green, full in tone, and decorated with a good bold flowing scroll painted in tones of lighter and darker green enclosing a shield painted with a device. This was very well colored, and had a harmonizing effect with the ceiling. So far so good. The important feature in the room, the coloring of the walls, still had to be determined, because whatever color was placed there dominated the entire room and made of it a success or otherwise.

Unhappily, the decorators or the committee determined upon a laky red, where a terra or orange red would have been best. The result is an unhappy conjunction which does not really harmonize with either the frieze or the dado, and, though the field was powdered with a large, open pattern, it failed to give the harmonizing quality required.

### BUILDING FOUNDATIONS IN QUICKSAND.

In erecting the eleven-story dormitory annex of the West Side Young Men's Christian Association a rather interesting problem presented itself, and that was the building of the foundations in a basin of quicksand through which ran a stream water. The new building is on West Fifty-sixth street, New York City, and on one side is the present dormitory of the association and on the other a seven-story apartment house. Foundations of both buildings rest on this basin of quicksand, and to excavate for a foundation beneath the level of the footings of these two adjoining buildings meant that the quicksand would ooze from beneath them and both structures be unermind.

In successfully performing this engineering feat, piles were first sunk through the quicksand to bed rock, the piles varying in length from 20 to 45 feet, due to the slope of the rock surface underneath. So treacherous was the quicksand that the piles could not be driven with the ordinary drop hammer, for the reason that the vibration would have a tendency to destroy or injure the adjoining buildings, and it was therefore necessary to use a steam hammer having a sharp blow.

There is a swimming pool, 20 by 60 feet, in the basement of the new dormitory, and to provide for this caused the architect no little concern, as the foundations for the pool

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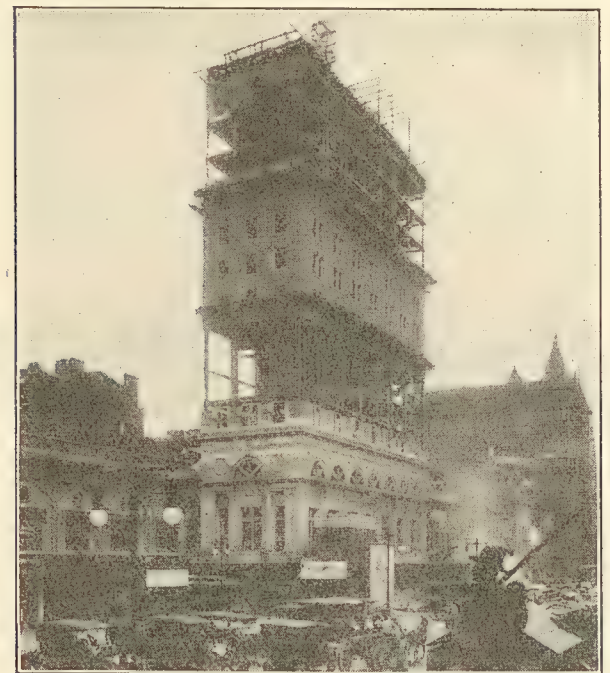
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and a portion of the pool itself extend below the footings of the adjoining buildings. It was evident that if an excavation was started for the pool the quicksands would fill in as rapidly as taken out. Something rather novel, therefore, in foundation construction was finally decided upon. At the time the piles were sunk a wall of sheet steel piling was driven down all around the lot, thus effectually preventing any movement of the quicksand. Excavation for the swimming pool was then made without danger to the surrounding property, the pool resting on a reinforced concrete bed, which, in turn, is supported by the piles.—"The Building Age."

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### 1,000-FOOT SKYSCRAPERS POSSI- BLE FOR NEW YORK BUT NOT FOR CHICAGO?

Skyscrapers 1,000 feet high will be the next  
great building development in New York, ac-  
cording to a statement made to the New  
York World by David H. Ray, retiring chief  
engineer to the Municipal Department of  
Buildings.

"Several days ago," said Mr. Ray, "I took  
the members of the International Congress of  
Testing Engineers, composed of distinguished  
scientists from all over the globe, on a tour  
of inspection of the Woolworth building,  
which is the latest in skyscraper construction,  
with its steel frame covered with concrete  
and porcelain.

"The members of the congress left New  
York apparently agreed that this city has  
solved the skyscraper problem, so far as the  
structural stability of this gigantic type of  
buildings is concerned. This view is based  
not only on the actual methods of skyscraper  
construction here, but on an inquiry into the  
geological formation that underlies the me-  
tropolis.

"I expect to see 1,000-foot skyscrapers rise  
here in the next few years.

"New York, unlike any other great sea-  
port in the world, stands on a ridge of solid  
rock, rock of the more ancient formation,  
which shows no signs of volcanic action in  
the past. The Woolworth building is 865 feet  
high, from foundation to tower peak, and  
there is mechanically nothing in the way of  
raising the limit to 1,000 feet. The steel  
framework can be solidly built that high and  
elevators can be made to run that high, and  
porcelain-covered beams and supports and

cross-cabsm will lenable a building to stand  
almost forever, one might say, affected by  
nothing but an earthquake or some like nat-  
ural cataclysm.

"And as far as we can judge by the signs  
from the past there is practically no danger of  
an earthquake of a kind to do any damage  
in this rock-foundation city.

"Berlin can never have a 1,000-foot sky-  
scraper, because that city is built on a bed  
of sand, the vestige of an age when the  
North Sea covered that part of Europe. The  
German scientists who attended the recent In-  
ternational Congress of Testing Engineers  
stated that 250 feet probably represents the  
limit of altitude of a skyscraper in Berlin.

"Chicago is not built on a rock, and so  
that city cannot look forward to a 1,000-foot  
skyscraper. Boston is in the same fix; also  
New Orleans. Indeed I do not know of a  
single other great seaport or commercial port  
of consequence that is not founded on some  
kind of an alluvial deposit that would im-  
pose stern restrictions on the height of sky-  
scraper construction. This is true of Lon-  
don, of Paris and of St. Petersburg."

Mr. Ray said that the scientists at the  
testing congress were struck with admiration  
at the general aspect of New York City and  
manifested the deepest interest in skyscraper  
construction, which has gone so far here that  
it has no parallel in any other place on earth.

If you fail to place "The Guide," Mr.  
Ad-Man, on your fall and spring list you are  
making a mistake you will live to regret.  
Few papers in the architectural field surpass  
"The Guide" in the matter of getting re-  
sults for its advertisers.

### NO LOSS OF HEAT EFFICIENCY IN PAINTING RADIATORS.

There always has been considerable contro-  
versy between stove and heating men as to  
whether or not painting a radiator will les-  
sen the amount of heat given out by said  
radiator. It is generally believed that there  
is a great loss in efficiency from painting ra-  
diators. We do not agree with this opinion,  
however, says "The Locomotive," and it has  
long been our custom to require piping and  
radiators to be painted in colors appropriate  
to the finish of the rooms in which they are  
placed. Professor C. L. Norton, of Boston,  
Mass., made a long series of experiments upon  
the transmission of heat through and from  
painted surfaces. His results are highly in-  
teresting, and are recorded in the nineteenth  
volume (1898) of the Transactions of the  
American Society of Mechanical Engineers.  
They have seemingly never attracted the at-  
tention they deserve. Taking the amount of  
heat radiated from a new pipe as 100, Profes-  
sor Norton obtains the following relative  
values for the heat radiated, under similar  
conditions, from pipe treated as indicated:

Loss of Heat at 200 Lbs. Pressure from  
Bar Pipe.

New pipe .....100.0



Fair condition .....	116.0
Rusty and black .....	119.0
Cleaned with potash, inside and out.	116.5
Painted dull white .....	120.0
Painted glossy white .....	100.5
Cleaned with potash again.....	116.0
Coated with cylinder oil.....	116.0
Painted dull black .....	120.0
Painted glossy black .....	101.0

It appears from the foregoing results that the color of the pipe has little or no effect upon the radiation of heat, though the con-

dition of the surface with respect to glossiness or dulness has quite a sensible influence. Thus a dull surface, whether it be white or black, has a radiative power of 120, and a glossy surface, whether white or black, has a corresponding power of only about 101. These results accord well with our experience, which is to the effect that there is no loss in efficiency through making pipes and radiators harmonize with the general color scheme of the rooms in which they are placed, provided glossy finishes are avoided.

## Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

\*\*After four years of agitation, during which several perfected plans have been defeated by the conservative element, a new \$3,500,000 home for the Chicago Board of Trade is now practically assured.

Preliminary plans for the erection of the new home, a 200-foot skyscraper, which will cover the present Board of Trade site, were made recently at a meeting of the Board directors.

By a unanimous vote the building committee of the board was instructed to obtain sketches from several architects. From these sketches the architect who is to draw the plans for the new building will be selected. The completed plans will then be submitted to the Board of Trade members.

It is now proposed to make the new building exclusively a Board of Trade venture. The trust company plan has been abandoned. The building is to be financed by the Board Trade through a bond issue; is to be 200 feet in height, and will be thoroughly modern in every way.

Organization of a holding company which was to build and maintain the new Board of Trade home was recommended to the members of the board two years ago. This proposition was defeated by an overwhelming majority.

\*\*The United States Civil Service Commission announces an open competitive examination for temporary employment in the position of architectural employment in the position of architectural draftsman in the Immigration Service, Ellis Island, New York. Competitors should be qualified in general building construction, and be qualified to superintend work. They should have at least five years' experience as inspector on construction work, and five years' drafting experience. Persons who meet the requirements and desire this examination should at once apply for Form 1312 to the United States Civil Service Commission, Washington.

\*\*N. Victor Frohling and Harold F. Saxel-

bye will practice architecture under the name of Frohling & Saxelbye, succeeding the firm of Thompson & Frohling, architects, at 114 East Twenty-eighth street.

\*\*Professor William H. Burr, M. Inst., C. E., of Columbia University, New York City, has been awarded the Watt gold medal of the Institution of Civil Engineers of Great Britain for a paper presented during the session of 1911-1912.

\*\*Dividend and interest disbursements by railroad, industrial and traction corporations this month will amount to \$104,425,275, as against \$94,099,471 in November a year ago, or an increase of \$10,325,804. Of this grand total, dividends will furnish \$44,725,275, an increase of \$5,725,804. Industrial corporations will distribute among stockholders \$26,392,342, an increase of \$4,276,070. Dividends to be paid by steam railroads and street railways show moderate increases.

\*\*A new law relative to unfair competition and untrue advertisements went into effect in Denmark on October 1. It forbids more than two "clearing" sales a year by any firm. Exceptions are made in case a bankrupt stock is to be sold or if the death of a partner or owner causes the closing out of the business "below cost," or if a bona fide winding up of the business is undertaken, or if the place of business is to be removed to another locality, etc. Infringement of the law may be followed by criminal prosecution.

\*\*The Rand & McNally Building, which was one of the first examples of steel-frame construction in Chicago, has just been taken down to make room for another building. In the opinion of D. H. Burnham & Co., the architects, the building could have stood indefinitely. The steel framework was practically untouched by the tooth of time, after nearly a quarter of a century. Press reports from Chicago state that the paint was still on the steel and there was practically no rust.

\*\*The Union Pacific has made an investigation into the effects of the automobile upon

its passenger traffic. Most of its agents replied that short-haul passenger receipts had been reduced—in some extreme cases as much as 50 per cent. A few years ago it was the trolley which taught the railways the necessity of improving the local service. Evidently the automobile is now exercising the same sort of educating influence.

\*\*The National Federation of Retail Merchants, an association which was formed at Chicago last October, will hold its first annual convention at St. Louis, Mo., November 19, 20, 21. J. R. Moorehead, a lumber merchant of Lexington, Mo., who is secretary of the association, has sent the following notice to members and friend of the organization:

"Retail Dealers and Their Friends: The National Federation of Retail Merchants will hold its first annual convention at the Planters' Hotel, St. Louis, November 19, 20 and 21. This meeting will not be confined to retailers only who represent the various retail associations of the country, but will be a gathering of all those interests in the country who are particularly interested in and dependent upon the retail trade. This will include retail associations of every class, including local, State and national, and the representation will not be limited. Every organization will be welcome to send as many delegates as they desire, whether they have affiliated with the Federation or not, and, in addition thereto, all members of such organizations will be welcome to participate, whether delegates or not. We also invite to this meeting the editors and representatives of trade papers, officers of the various country newspapers organizations, editors of the country and daily press, representatives from the traveling men's associations, commercial clubs, and jobbers' and manufacturers' associations throughout the country. In other words, we want to make this a national retailers' conservation congress. The convention will be addressed by the best talent we can secure, of national reputation, who will discuss the big questions now confronting the retail merchants of the country. An official call for this convention will be mailed later, together with the program for the occasion. Special railroad rates will be arranged for. Please remember that you have an invitation to be present in person, and to participate in the deliberations of the convention. Respectfully,

J. R. MOOREHEAD,  
"Lexington, Mo. Secretary."

\*\*Frankfurt-on-Main has recently seen the completion of a large theatre of reinforced concrete. This building has been a striking demonstration of the possibilities of using concrete for buildings where architectural beauty and artistic interpretation are the greatest requirements, aside from the fire-proof construction.

\*\*"In putting a price upon any sort of work one realizes that there is a price at which under the most favorable conditions one can do the work," remarked Leonard C. Wason, president of the Aberthaw Construc-

(Continued on page 746.)



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# Editorial Comment

New York City is giving serious consideration to the somewhat novel idea of an "increment tax"—to be assessed, in addition to the regular property tax now imposed.

A New York contemporary, discussing the new tax, makes the following comment upon its practicability and upon the opposition already offered it by owners of realty:

"Mr. A. C. Pleydell's suggestion in the 'Record and Guide' of an 'increment tax' of one per cent. annually which he calculates would net \$10,000,000 a year within ten years, has aroused a good deal of opposition. Mr. Allan Robinson objects that the imposition of a new real estate tax is a curious way of easing the burdens on real estate, and he suggests, as the 'Record and Guide' has already suggested, that some attempt should be made to develop other sources of revenue. But we do not believe that Mr. Robinson is quite fair to Mr. Pleydell's proposal. The latter did not make it with any intention of reducing taxes on real estate. His intention was to propose a means of obtaining additional revenue for the city without any increase of burden upon those classes of real estate which are already overburdened. The fact that additional revenue has to be raised is evident. If the city continues to raise as at present from all classes of real estate indiscriminately it means an actual confiscation of the value of those parcels of real estate, which are stationary or declining in value. In a sense, of course, all taxation is confiscation, but in a civilized country the attempt is made to distribute the expense equitably. It is not fair that this particular class of real estate owners should suffer so much more than any other class in the community. Mr. Pleydell purposes, consequently, to raise additional revenue only from those owners of real estate whose property is increasing in value, because they can afford to contribute and the others cannot.

"It seems to the 'Record and Guide' that the method proposed by Mr. Pleydell is a better method of raising additional revenue from real estate than that which the city is now practising. Doubtless, real estate owners would prefer the development of other sources of revenue, but that is a different story. At present no serious proposals are being made to develop additional sources of revenue. The various associations of property owners have not themselves united on any alternative plan. On the other hand, there is a large and influential section of public opinion which is determined to increase rather than diminish the proportion of taxable burden, which is thrown upon real estate. At the last session of the Legislature a persistent effort was made to shift a larger share of taxation to ground values, irrespective of the fact whether the owner of the ground had

or had not really suffered from the recent increase in taxation. This effort will be renewed in the future. Whether it succeeds or not, real estate owners will manifestly have to put up a steady fight against this proposed method of getting rid of congestion by confiscating ground values. And they will occupy a stronger position in this fight in case they admit the fairness of a return to the city in the form of taxation of a certain proportion of the increase in real estate values created by the growth of the city. The increment tax, which has been adopted both by England and Germany, is from the point of view of the real estate owner much the least objectionable way of appropriating for public purposes a larger proportion of site values.

"Furthermore, the specific form of increment tax proposed by Mr. Pleydell is an improvement upon the German and English methods. In those countries a certain percentage, usually 20 per cent., of any increase in site value is taken by the State when the property is transferred. This method would produce a larger amount of immediate revenue, but the larger revenue would, as it were, be taken from the capital value of real estate. Mr. Pleydell proposes to take substantially the same proposition, but in the form of one per cent. yearly interest instead of twenty per cent. of the capital. And by this expedient the city would at the end of a generation be receiving an enormous income from this source."

\* \* \*

This suggestion of an increment tax is one that should commend itself to the gentlemen who are foetting just now in the effort to scare up money enough to pay Philadelphia's growing annual bills. To ask the owner of a parcel of realty to pay a small tax upon the gain in value it derives from the city's growth, the shifting of business centers or some other purely automatic circumstance without his suggestion, promotion or control, to our way of thinking, is in no sense unreasonable. Certainly there is much more valid grounds for enlarging the tax burden in cases of this class than in the case of owners whose taxable burdens have not these advantages.

\* \* \*

An interesting article is presented in this number advocating the licensing of diplomaed practitioners as the most effective means of driving out fakirs, half-educated draftsmen and Cheap Johns who in some parts of the country are able to undermine men skilful in the profession of architecture. While we are quite unable to concur in all of the conclusions of the writer—who is a well-known Italian architect—we agree with him most heartily in this—that something should be



done to protect the honest practitioner from the man who "butts into" the calling.

The license idea seems to us to be the most effective protection possible—if properly administered. Of course, if the licensing of architects is to be enforced like other acts of the kind by letting down the bars to every self-styled draftsman who has been "doing plans" a fixed number of years, then its usefulness must necessarily be greatly impaired. "The Guide" would be glad to receive expressions of opinion from its readers touching the interesting points raised in the article herein referred to. The topic is one that, we feel, will have interest for architects who are something more than half-trained, routine draftsmen.

\* \* \*

"House Beautiful" has some homely but wholesome advice for the home builder in a recent number.

"Before deciding to build a summer home," it says, "it is wise to live near the proposed spot throughout a season and be sure no unpleasant surprises are in store—that the neighbors do not keep pigs, that the waterways receive no objectionable drainage, that the draining of a nearby swamp which seems comparatively easy won't be objected to by owners over whose property the water might flow, or by the county selectmen if you plan to run it off into the highway; any or all of these drawback might go with an apparently ideal building site. Then the sewerage question should be looked into, especially if private service must be resorted to; also the character of the soil should be ascertained, whether clay, sand or gravel, and the slope of the site, and whether trees would interrupt the view and whether there are any evergreens at the north to act as wind-breaks, etc.

When the intending purchaser has informed himself on all these points, it is time to call in an engineer, who will make a plan of the property showing the principal trees and their condition, the visible bits of rock, and noting accurately all different grade heights. This drawing should be supplemented by photos, and with all these before them, the engineer and architect can decide whether the place will be suitable for the particular sort of development the intending owner has in mind. This is not a waste of money; it may save one from purchasing an undesirable tract, or, if the purchase is concluded, the engineer's plan will be the thing on which the architect and landscape architect will base their designs; so that in no case is it an unnecessary step."

All right enough in its way with the conception of the "engineer" feature. Why—an engineer? And since when have engineers taken to designing "summer homes?"

\* \* \*

The stand of the same publication with reference to the hideousness of collegiate ideas of decoration, is, we fancy, rather better taken. Witness:

"With every September and October new horrors are perpetrated in the way of students' rooms. No college education would be

complete unless the classic authors were coned amid surroundings of Christie-Hutt-Fisher prints, innumerable foolish picture-cushions, flags, fans, dancing cards, tennis rackets and snow-shoes. This sort of room has become such a recognized convention that department stores advertise how they "make a specialty of decorating college dens" and are prepared (at the command of any well-to-do student) to send their 'experts' to any college in the country, fully equipped with all the paraphernalia necessary to create one of these adjuncts to learning. Such a room, 'done' by a large firm, naturally becomes the model toward which the ambition of a whole dormitory is directed. 'Wisdom is the principal thing,' it has been written; and if only it could be proven that these weird, restless, ridiculous rooms were conducive to the getting of wisdom we would have nothing to say against them."

### TRADE NEWS AND GOSSIP.

\*\*One of the first country roads of concrete ever built in the State of New Jersey is now in process of construction on Morris turnpike, one mile west of New Village and about eight miles east of Phillipsburg. The work is under way and will continue to about November 16. While concrete is a comparatively new material in country road construction, it has been used for a number of years in other parts of the United States. These concrete roads have aroused intense interest. This is due to the fact that they represent a new method in which repairs are reduced to the minimum. Everyone interested in the good roads movement, particularly taxpayers who are responsible for the building and maintenance of roads, should see Morris turnpike road during its construction. It will be a practical demonstration of the methods employed to obtain the best results. The contractors for the work are Salmon Brothers, Neteong, N. J., and the road is being built by the State, under the supervision of J. R. Thatcher, director of the Board of Freeholders, Warren County, N. J.

\*\*Lime manufacturers of Virginia are endeavoring to have declared unconstitutional the act of the last General Assembly of that State under which the State is authorized to establish convict camps for the manufacture of lime to be sold to Virginia farmers at the cost of production.

"The Guide" reaches and is read in every one of the thirty-two Chapters of the American Institute of Architects throughout the United States. It reaches and is read by every architect in Pennsylvania.

Winning success in business is not a game of blind man's buff. You cannot catch her blindfolded.

You can't hire loyalty; you have got to deserve it.—Ex.

### THREE CLASSES OF BUSINESS MEN.

There are three classes of business men in the universe. A man cannot be in all three classes. He cannot even be in two. He is a member of one of these three classes. It is advisable that each individual examine himself and discover to which class he belongs. If after a thorough examination you are convinced that by your attitude and business methods you are in a class from which you would like to divorce yourself, there is only one thing to do. Separate yourself immediately from the methods which you consider detrimental to your business and, putting on new vigor and enthusiasm, initiate yourself into the class among whose members you would like to be numbered. These three classes are:

First—The satisfied and contented class, the members of which are satisfied with their present positions and present conditions of their various businesses. They are contented and do not endeavor to increase the amount of their business nor the conditions of their local trade. They realize that there are various ways in which they could, with little effort, improve their present conditions of business, but they are satisfied and contented.

Second—The dissatisfied and discouraged class. The members of this class are not satisfied with their present conditions, but they lack the grit to seize hold of the opportunities that present themselves. They are discouraged. Their only salvation lies in their ability and desire to right the wrongs that have afflicted their businesses. In most cases it is necessary to revolutionize their business methods.

Third—The dissatisfied but struggling class. Those business men who find themselves in this class are what can be termed "progressives." Their success may be assured, their last year's business may have resulted in netting them handsome profits, but their aims and ambitions lead them on toward higher goals. They are not satisfied to stand still. To stand still is to retrograde. They realize this and therefore are most anxious that the present year's business shall exceed that of last year. They will remain dissatisfied dissatisfaction is what spurs them on to higher aims.

If they should become dissatisfied and contented, they would immediately see a tendency to let opportunities slip by unnoticed, and consequently business would suffer. Lethargy is not considered a valuable asset in the business world to-day. It takes an active and progressive individual to harness the intricacies which arise in the industrial universe.

There are three classes of men in business. In which class are you?—"Dealers' Building Material Record."

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### TRADE NEWS AND GOSSIP.

(Continued from page 743.)

tion Company, Boston, in a recent paper. There are contingencies which arise in the course of a job which are not included in the ideal program. Some of these can be removed by foresight and good management; others seem to come under the class of "unavoidable." The bidder must not only decide the cost under average conditions, but must judge whether the conditions of the proposed job are average or special. He must balance the probabilities of unforeseen circumstances and decide how narrow a margin he dares to leave between the actual possible cost of the work and a living profit. The wisest heads are not commonly those who disregard difficulties.

\*\*The annual meeting of the New York Lumber Trade Association will be held at the association rooms, 18 Broadway, New York, on Wednesday, November 13. The Nominating Committee, consisting of Messrs. Richard S. White, John L. Cutler and Abner P. Bigelow, have placed in nomination the following officers to be voted for at that time: For President, Russell Johnson Perrine; for First Vice-President, John F. Steeves; for Second Vice-President, Frederick W. Starr; for Treasurer, Charles F. Fischer; for Trustees, Russell Johnson Perrine, John F. Steeves, Frederick W. Starr, Charles F. Fischer, John L. Cutler, William P. Youngs, Guy Loomis, William S. Wandel, Hammond Talbot, Gulian Ross, Richard S. White, Rowland McClave, Charles V. Bossert, Charles Crabbe, John Egan, William H. Simonson, Abner P. Bigelow, Albro J. Newton, Christopher W. Wilson, George M. Stevens, Jr., Peter A. Smith, John J. Cooney, Edwin D. MacMurray, William F. Clarke, John C. Creveling, William S. Van Clief, Allan H. Church, Treadwell D. Carpenter, Patrick Moore, James Sherlock Davis,

Thomas J. Crombie, Robert R. Sizer, William O. Seaman, John F. Cronin and Bernard L. Time.

\*\* The semi-annual meeting of the Southern Cypress Manufacturers' Association will be held at New Orleans, La., on Wednesday, November 20, at the Hotel Grunewald, at which time a large attendance is anticipated by reason of the important program affecting the cypress industry which will be up for discussion and action on that occasion.

\*\*At the regular monthly meeting of the Board of Directors of the Joseph Dixon Crucible Company, Jersey City, held Monday, October 21, the following changes in the officers and Board of Directors were made on account of the death of Vice-President William H. Corbin: Mr. George E. Long, former treasurer, was elected vice-president to succeed Mr. Corbin; Mr. J. H. Schermerhorn, former assistant secretary and assistant treasurer, was elected to membership in the Board of Directors and treasurer of the company. Mr. Albert Norris was elected to the office of assistant secretary and assistant treasurer.

\*\*The regular annual meeting of the Empire State Forest Products Association, formerly the Adirondack Lumber Manufacturers' and Shippers' Association, headquarters Watertown, N. Y., will be held at the Hotel LeRay, Watertown, on November 14, followed

by a banquet in the evening. This association represents a majority of the lumber and timber interests of the Adirondacks. The program will include interesting addresses by representatives of the American Forestry Association, Washington; the State Conservation Department; Forestry School at Syracuse University; Hon. John G. Jones, and it is hoped at the present time that Senator Ferris, of Utica, and Hon. Henry W. Hill, of Buffalo, will be there.

\*\*\*"The cross-questioning even of the man who makes up the estimates of costs for many builders will demonstrate that he is using costs not obtained from actual studies of his firm's work, but from the statements of other builders," says Leonard C. Wason, president of the Aberthaw Construction Company, Boston, in a recent paper. He goes on to say that the estimator often takes the word of a foreman in charge of some branch of work, or merely uses the cost with a hazy belief that it is correct without being able to tell exactly where he obtained it. An estimator of one of the progressive New York firms told Mr. Wason that he was tremendously handicapped by never knowing whether the work corresponded to his estimate. "Their case is not exceptional," says Mr. Wason, "and a bald statement regarding their cost data would excite no particular comment from average men engaged in the building business."

## WHEN TO TEAR DOWN, WHEN TO ALTER

### An Architect's Counsel to Owners of Old Buildings—An Ample Alteration May Often Accomplish the Same Result as an Entirely New Building.

A question which frequently arises in connection with building is, "Shall I tear down or alter the old building?" This can be determined only by a thorough analysis of several conditions:

1st. The character of the neighborhood—whether it has "found itself."

2nd. The physical condition of the building to be altered, and

3rd. Whether the cost of the alteration would be prohibitive.

In the majority of cases old buildings are capable of satisfactory rearrangement into more approved modern forms at an expenditure far below the cost of new work by the adjustment of one or two floor levels, slight changes in the interior partitions and possibly new work in front lower stories, writes Alfred H. Taylor in the "New York Record and Guide."

In streets where the inroad of business divides interest with the original residential purpose these lower stories can be advantageously fitted for stores, offices, etc., the upper stories being altered into small, high grade bachelor apartments.

On streets where the appearance of the frost affects vitally the rental value of the building a new veneer of more impressive material may often be agreeable, applied without much fundamental change in the masonry, and at reasonable cost.

In a few cases, if excessive changes are necessary, it becomes desirable to tear down all of the building except the side walls and floor beams, and in other cases new fireproof floors of reinforced concrete can be economically put in between the brick walls, using the old floors for centering.

It is to be generally noted in residential districts that the high stoop house is giving way to the more utilitarian American basement plan in all new work, with the accompanying endeavor to parallel this more desirable tendency by judicious alteration of the old work, where the adaptability and intrinsic value of structures do not warrant complete demolition and reconstruction.

There is no doubt that much of the so-called improvement in doubtful districts will prove a short-sighted anticipation of their ultimate use, but where reduced income neces-



sitates exploitation of a building under new character, and when the proposed alteration caters to a reasonably established demand, the owner will find a profitable return for his investment. Even where the character of a proposed change of the function of a building seems solidly determined by its surroundings, an ample alteration may often accomplish the same result as an entirely new building and save quite a percentage on the total outlay.

The architectural prejudice against the usual alteration is that while the average owner will permit a very elaborate and comprehensive development on a new building he often hedges at a complete reorganization of an old building and gets an insufficient result that does not financially justify the comparative slight difference saved at the expense of appearance and constructive permanence, which will be more than made up in the extras for future repairs.

Now, where the hazard of progress imme-

diately threatens the economic life of such an alteration, a cautious outlay may be justified; but in most cases it is possible to foresee the logical sequence of annual returns over the investment; and there is little doubt that the proportionate return on a first-class proposition exceeds that of a mediocre one. And an alteration that barely measures up to the present competitive standards of its neighboring rivals will doubtless soon have to undergo other alterations, at an advance, in the later buildings, where a more completely studied scheme would retain its comparative supremacy through several phases of speculative progress.

At any rate, the field of future alteration in the older districts of New York would seem to be a problem to necessitate the most serious collaboration between owner and architect as to the question of discreet outlay and getting the best possible practical and artistic expression.

Oil, alone, does not make a good first coat. It is too soft. It does not fill the pores of wood as they should be filled, and it is more liable to be affected by moisture than when a certain quantity of pigment is mixed with it. Everybody knows that white lead ground in oil makes a good cement for fixing broken china, etc., that it is strong and tenacious. Its greatest degree of usefulness is when there is a sufficient quantity of pigment in the oil to insure its greatest tenacity, to partly fill the pores of the wood, and at its highest point of hardness and firmness, and have its greatest affinity for subsequent coats. Now, the best primer for outside work (new), according to my experience, is white lead in raw linseed oil, of that consistency which results by taking one hundred pounds of white lead and mixing it in five gallons of raw oil with no dryer. Do not understand me as condemning good dryers. They are alright in their place, but their place is not in the priming for outside work. If you must have it dry sooner than it would naturally do, use a good turpentine japan, not more than a gill to a gallon of paint.

#### Danger of Grain Raising.

It requires no more paint to do a job in three coats than in two. If there is not much lead used in the priming coat, there must be more used in the next; then, why not put more in the priming coat? You will find, when the surface is fairly well covered with the first coat, the second and third coats will spread so much nicer and the result will be a smoother job. Nearly all oil in the priming coat has a decided tendency to raise the grain of the wood, but, if there be considerable pigment in it, the grain will not show even if the oil does raise it.

Always insist on the work being dry before priming it, and as you value your reputation as a mechanic, never put a coat of paint on another that is not dry. This cases more jobs to go wrong than anything else.

#### Procedure in House Painting.

Brush the paint out carefully, aiming to get the film of the same thickness throughout. Avoid brush marks, which are likely to occur next to corner strips and casing. Arrange the work so as to leave as few laps as possible; always finish a course across a side before stopping for any length of time. On a two-story frame house, the width of the top course should be from the cornice to the bottom of the upper window. The next, from there to the bottom of the lower window, that is, when the windows are of size and the usual style. This should be followed throughout all three coats. Use the same priming for the cornice, casing, etc., although they are to be painted in a different color. When the paint is mixed stout, there are seldom any fat edges if brushed well, still, it is better to be sure by straddling the edges the last thing before beginning another lap. Always pain the under edges of door and window sills, etc. Many painters fail to do this. Don't miss any exposed part because it cannot be seen. Window and door sills often decay before their

## IMPORTANCE OF THE PRIMING COAT

### The Theory That Anything is Good Enough Condemned by Practical Paint Men.

The theory that anything is good enough for the priming coat has been exploded so often, and is so generally condemned by practical painters that it seems a waste of space to write about it; yet, there are many property owners, and, indeed, some architects who either through ignorance, or a false notion of economy, insist and specify material that is unfit because it is cheap. Many an otherwise good job is spoiled by the architect substituting something in place of what was originally specified, perhaps, reducing the number of coats in order to bring the cost of the job within a certain figure.

The writer has followed the painter's trade for many years as a means of livelihood, and, at the same time has made a study of the paint question both practically and scientifically. Hence, the conclusions that follow are the deductions of this experience and experiments and also of the experience of others, and may be regarded as conclusive.

#### Priming Coat Most Important.

The priming coat is the most important part of a job of painting. Like the foundation of a house, it is the tructure on which all subsequent work rests, and, without it possesses certain dominant features, such as firmness, adhesiveness, affinity for subsequent coats, the job will be defective.

#### White Lead and Oil Best Primer.

Practical painters are agreed, says a writer in "The American Carpenter and Builder," that white lead and oil make the best primer for outside work. There is some difference of opinion as to how

it should be mixed. Some claim it is best to mix it with equal parts of raw and boiled oil. Boiled oil has only one characteristic not found in raw. It will dry a little quicker. My best success has been with raw oil. Perhaps, if we were sure we were using boiled oil, it might be better, but, so much of the so-called boiled oil is boiled by the dealer adding turpentine japan to raw oil, that it seems better if painters would make sure of it by using raw oil and adding the dryer themselves, otherwise they are apt to get too much dryer, which often causes scaling. Dryer never did paint any good, and as a priming coat of lead and oil dries in a couple of days in warm weather, why use it at all. I prefer the primer without it. I am certain that paint hardened by the use of a dryer is not as tough and firm as when it is not.

#### How Much Pigment is Best for Priming Coat?

Ever since people began to paint their houses, it has been customary to use a small per cent. of pigment in the priming coat. Merely enough to color the oil somewhat. There was, perhaps, a reason for this in an early day. It is said there was more oil used then than now, which was no doubt due to the vast amount of work required to prepare the paint, as all paint had to be ground by hand, by rubbing it between two flat stones, a large and smaller one. Even the hand mill was slow work to what it is now. Hence, I think the use of so large a percentage of oil is due to long continued habit, the result of primitive conditions of the trade more than to any claim for good work by so doing.



time for this very reason, particularly when close to the ground, or extend over a step.

#### Yellow Ochre or Whiting for Cheap Priming Coats.

Yellow ochre was, at one time extensively used as a primer when finished with white lead coats. It makes a first class primer, but for one fault, and a prolific one, too. It seems to have no affinity for white lead, in as much as the lead coat often scales from the ochre coat. If I am to use a cheap primer, I prefer whiting to ochre. Always mix a little lead (about one-eighth) in the whiting, and mix well. Yellow ochre, by itself, makes a lasting paint. I have known jobs that were primed with it which have stood for several years without further painting, and the priming looked about the same as when first applied.

If I were going to paint a house for myself, I would use red lead for a primer. It should be mixed stout and brushed out well. Like white lead, it makes a better cement when mixed stout. The reason people don't use red lead more is because they don't know it. They think, too, that two coats of white or light-tinted paint won't cover it properly. That is only a notion, for two coats of good white paint will cover paint much darker than red lead, if put on right. As I said in a former article, red lead in raw oil makes a tough, hard, water-proof cement which seals up the wood, rendering it impervious to moisture. It saponifies the oil perfectly. On the other hand, the saponification of white lead is imperfect, giving rise to what is known as chalking, a characteristic never known in red lead. It has the same affinity for white lead as white lead itself. They are both made from lead metal. One is the carbonate, the other is the oxide. The metal is first corroded into white lead which, in turn, is oxidized into red lead.

#### Don't Economize on the Priming Coat.

I heard an old painter once say, "Let me put on the priming coat, and I don't care who paints the balance." He was about right. A good, substantial priming coat goes a long way toward preserving subsequent coats. Many persons think because the priming coat is covered up that they are economizing by using anything so it is cheap.

I would advise the reader to use lead priming in all cases, even when it is intended to finish with prepared paint. As to using ready mixed over white lead priming, there is seldom any bad results, if it is good paint, as the base of all standard brands of mixed paint is white lead. However, ready mixed paints are intended for repainting more than for new work.

#### The Way to Mix Lead and Oil.

Mixing lead and oil is a simple operation. Still, there is a wrong way. For instance, take a hundred pound keg ground in oil. Put in the mixing bucket. A candy bucket will do in its place. Pour in about a gallon of oil, and break up the lead, stirring until the whole mass is of the same consistency throughout. If it does not seem to be uniform, pour

in another gallon and stir well. When it is smooth add four gallons more of oil. Stir until the lead boils up through the oil and until it is of the same consistency at the top as at the bottom. It is now ready to prime, according to my idea.

#### Dryers.

I do not advise the use of dryers in the priming coat. However, if the state of the weather compels you to use a dryer, get turpentine japan, and do not use more than a gill to one gallon of paint. If you should use red lead, never use a dryer, no matter what the conditions. Red lead itself is one of the strongest dryers.

### RECENT TRADE LITERATURE.

"Album No. 21" is the title of a handsome big catalogue just issued by the Logue-Strong Manufacturing Company, 435137 North Broad street, Philadelphia, illustrating and describing the wide variety of gas and electric lighting fixtures manufactured by this enterprising concern. The cuts are splendid examples of half-tone engraving and show a line of artistic fixtures embracing all of the novelties in this field, together with a number of exclusive designs realizing the highest ideals of period decoration. Builders, architects and home owners interested in lighting fixtures of the "somewhat different" type, fixtures with character, individuality and a high order of craftsmanship should lose no time about writing the Logue-Strong company for a copy of this expensively gotten-up new catalogue. We have no hesitation in pronouncing it the de luxe example of its kind—a catalogue in every way worthy of the fine old concern in whose interest it is issued and of whose excellent and diversified product it is the fitting chronicle.

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Ground rent consideration .....	2,071.00
Which on a 6 per cent. basis amounts to .....	34,516.67



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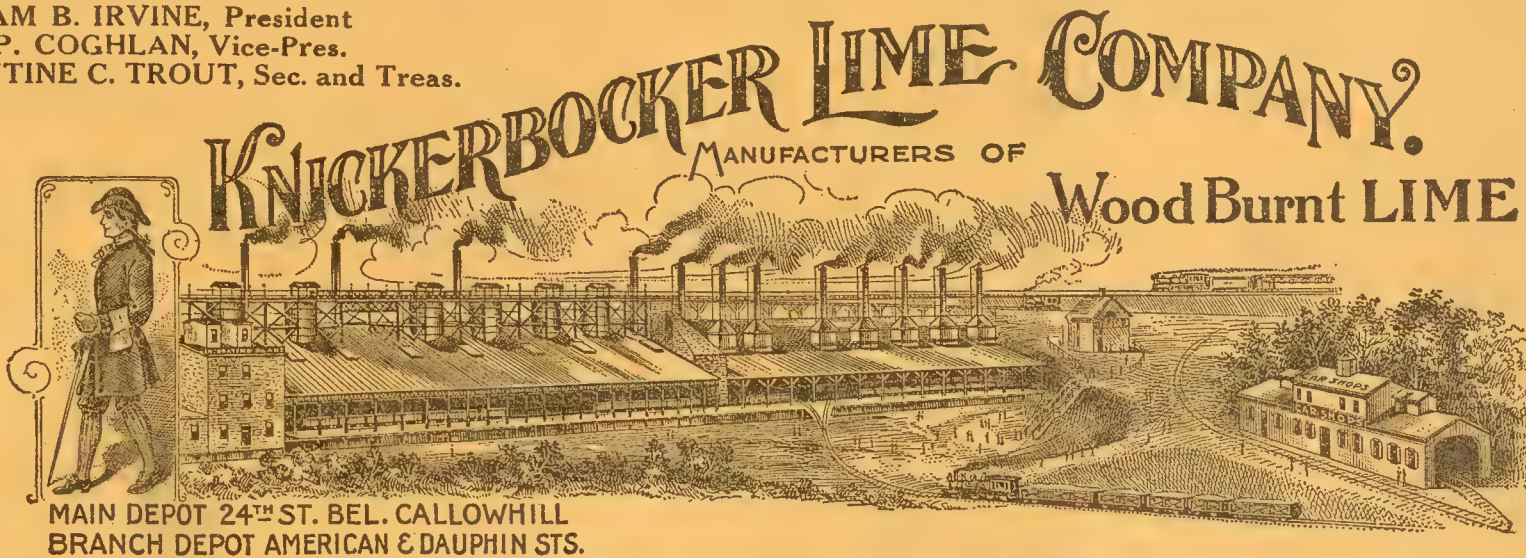
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Vol. XXVII, No. 47.

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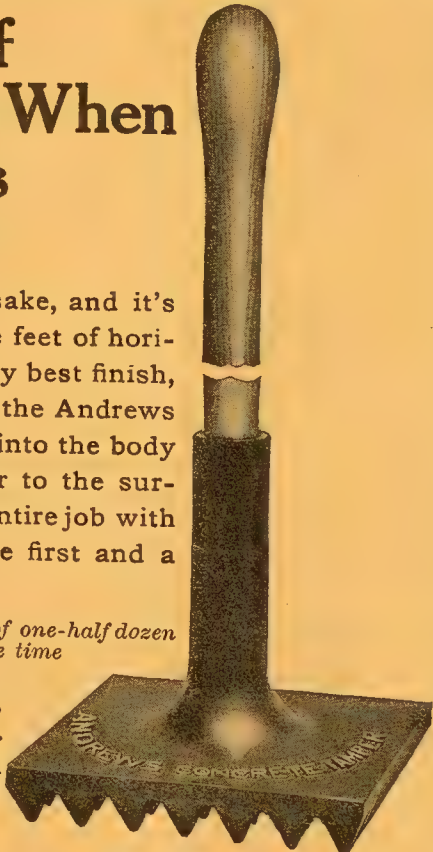
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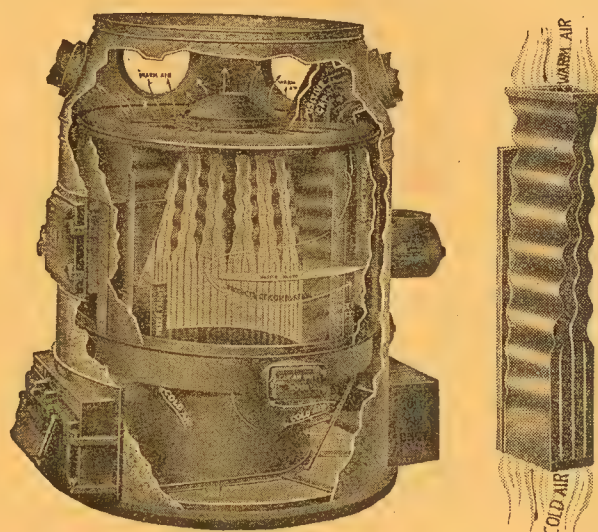
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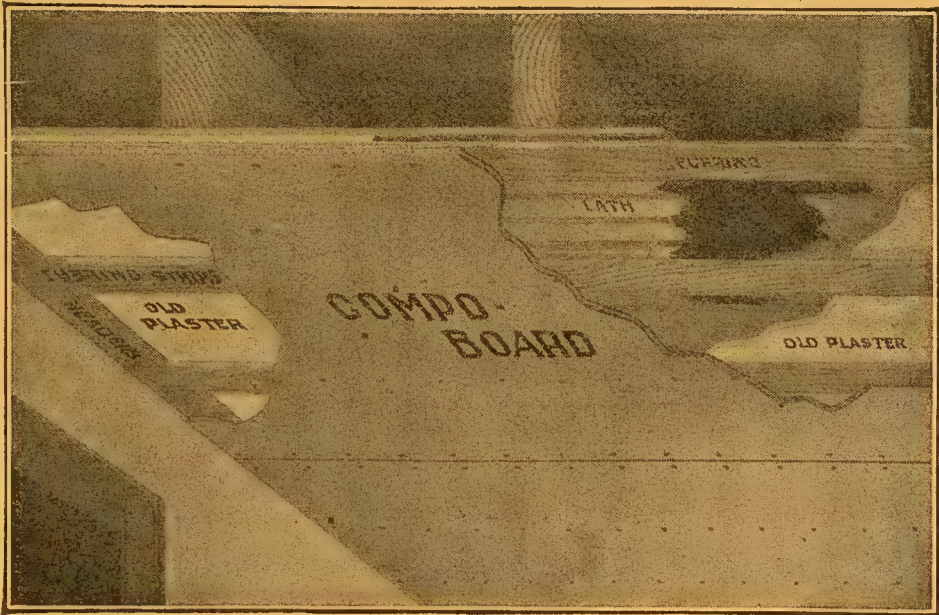
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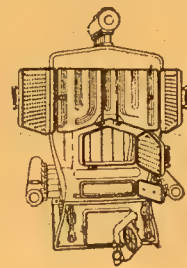
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PHILADELPHIA, WEDNESDAY, NOVEMBER 20, 1912.

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## Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Factory**, Front and Federal streets, Camden, N. J. Architect, J. C. Jefferies, 1001 Chestnut street. Owners, Collings Carriage Company, Front and Market streets, Camden. Brick, three stories, 90x100 feet, slag roof, electric light. Architect has received revised bids.

**Fire house**, Wildwood, N. J. Architect, private plans. Owner, City of Wildwood, N. J. Brick, three stories, 40x85, sla groof, steam heating. Owners have received bids.

**Fire House, Police Station and Patrol Garage**, Twenty-second and Hunting Park avenue. Architect, C. Zilenziger, City Hall. Owners, City of Philadelphia. Brick, stone and terra cotta, two and three stories, 28x128 and 59x75 feet. Plans in progress.

**Apartment House**, 125 South Texas avenue, Atlantic City, N. J. Architect, George V. Rehfsuss, 1524 Chestnut street. Owners, name withheld. Brick, three stories, 22x49 feet, electric light, slag roof, steam heat. Plans in progress.

**Armory (alt. and add.)**, Phoenixville, Pa. Architect, Philip H. Johnson, Land Title Building. Owners, State of Pennsylvania, Battery "C." Brick and concrete, two stories, electric light. Owners taking bids, due November 25. The following are figuring: F. H. Keiser, Pottstown, Pa.; F. R. Heavner, Norristown, Pa.; W. E. Dotts, 148 North Second street; J. R. Wiggins, Heed Building; Mitchell Brothers, 2125 Race street; D. T. McCarthy, 411 Walnut street.

**School**, Camden, N. J. Architect, Clyde S. Adams, 1233 Arch street. Owners, Board of Education, Camden, N. J. Brick, three stories, electric light, steam heat, slag roof. Plans in progress.

**Church, Parish House and Rectory**, Sixty-fourth street and Haverford avenue. Architects, Duhring, Okie & Zeigler, Bailey Building. Owners, St. Barnabas' Protestant Episcopal Church, on premises. Stone, slate roof (heat and electric light reserved). Rectory,

two and one-half stories, 25x55 feet. Church, one story, 53x177 feet. Parish house, two stories, 45x90 feet. Architects taking bids, due November 20. The following are figuring: Joseph Bird & Co., 213 North Eleventh street; Pomeroy Construction Company, 1609 Ransstead street; Harrison C. Rea Company, 1027 Wood street; F. L. Hoover & Sons, Builders' Exchange; R. C. Ballinger, 218 North Thirteenth street; Pennsylvania Construction Co., 14 South Broad street; W. J. Stevens, Wyncote, Pa.; Pringle Borthwick, 8819 Germantown avenue.

**Residence**, Hagerstown, Md. Architects, Duhring, Okie & Zeigler, Bailey Building. Owner, Dr. W. Preston Miller, Hagerstown, Md. Stone, two and one-half stories, 30x70 feet, shingle roof, electric light, hot-air heat, hardwood floors. Architects have received bids.

**Hotel**, Atlantic City, N. J., \$2,500,000. Architect, Horace Trumbauer, Land Title Building. Owner, P. A. B. Widener, Land Title Building. Brick and steel, fireproof, eighteen stories, 150x250 feet, electric light, steam heat, tile roof, elevators. Revised plans about completed. Architect will take bids soon.

**Residence**, Greenwich, N. J. Architects, Morris & Erskine, Crozer Building. Owner, Dr. A. H. Goodwin, Greenwich, N. J. Brick, two and one-half stories, 37x62 feet, shingle roof, hot air heat, electric light. Architects taking bids, due November 25. The following are figuring: R. C. Ballinger, 218 North Thirteenth street; John F. Davies, 1208 Chestnut street, and J. S. Rogers & Co., Moorestown, N. J.

**Post Office**, Lorain, Ohio. Architect, Oscar Wenderoth, Washington, D. C. Owners, United States Government, Treasury Department. Granite, limestone and brick, one story and basement, 83x102 feet, tin roof, electric light, steam heat. Owners taking bids, due December 17. The following are figuring: J.

W. Emery, 1524 Sansom stret, and J. E. & A. L. Pennock, Land Title Building.

**Residences (2)**, Atlantic City, N. J. Architects, Frank Seeburger, Pennsylvania Building. Owner, John Stafford, 1114 1114 Chestnut street. Brick, frame and plaster, two one-half stories, slate roof, hot water heating, electric lighting. Owner is taking sub-bids.

**Bank Building**, Atlantic City, N. J. Architect, B. Ireland, Bartlett Building, Atlantic City, N. J. Owner, Levy X Weiman, Atlantic City, N. J. Owner, Levy & Weiman, Atlantic City, N. J. Brick and stone, one story, 34x85 feet, limestone, marble, red brick, electric light, slag roof (heat, reserved). Architect taking bids. H. E. Beaton, Tenth and Sansom streets, is figuring.

**Church and Rectory**, Bridgeton, N. J. Architects, E. F. Durang & Sons, Twelfth and Chestnut streets. Owner, Church of the Immaculate Conception, care of Rev. A. D. Hassett, rector, on premises. Stone, one story, 48x100 feet. Rectory, stone and plaster, two and one-half stories, 41x41 feet, slate roof, electric light, steam heat. Plans about completed. Architects will take bids in a few days.

**Residence**, Ashbourne, Pa. Architects, Heacock & Hokanson, Bailey Building. Owner, W. Griepengerl, Ashbourne, Pa. Plaster, two and one-half stories, 20x53 feet, hardwood floors, shingle roof, electric light, hot water heat. Architects taking bids, due November 21. The following are figuring: F. B. Davis, 35 South Seventeenth street; M. E. Hauser, Glenside, Pa.; W. H. Eddleman, 453 Green lane; W. John Stevens, Wyncote, Pa.; Henry Specht, Willow Grove, Pa., and E. D. Lever, Abington, Pa.

**Residence (alt. and add.)**, Haverford, Pa. Architect, Oliver Randolph Perry, 1723 Chestnut street. Owner, Dr. B. C. Giles, 1728 Chestnut street. Plaster and frame, two and one-half stories, 38x63 feet, hardwood floors,

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electric light, hot air heat, shingle roof. Architect taking bids, due November 20. The following are figuring: Metzger & Wells, Heed Building; Pomeroy Construction Company, 1609 Ransstead street; Oscar E. Lobb, Llanerch, Pa.; T. C. Trafford, 1613 Sansom street; Milton Young, Overbrook, Pa.; James Johnston, 1721 Ludlow street; Thomas Seeds, 1207 Race street; Michael Lowler, Norristown, Pa., and J. D. Lengel, Wayne, Pa.

**School**, Llanerch, Pa., \$50,000. Architects, Blithe & Richards, 608 Chestnut street. Owners, School Board of Education. Stone, two stories, slate roof, electric light. Plans in progress. Architects will take bids in about two weeks.

**Theatre**, Atlantic City, N. J., \$60,000. Architects, Magaziner & Potter, 137 South Fifth street. Owner, Seltzer Brothers, on premises. Brick, one story, 140x60 feet, electric light, tile roof, steam heat. Architects taking bids, due November 22. The following are figuring: Lam Building Company, 1001 Wood street; Sax & Abbott, Hale Building; Irwin & Leighton, 126 North Twelfth street; Charles McCaul Company, Tenth and Sansom streets; James G. Doak & Co., Crozer Building; H. L. Brown, 1714 Sansom street, all of Philadelphia, and the following of Atlantic City, N. J.: Samuel Headley, Ingersol & Weeks, Amsterdam Fireproofing Company, and Thompson Brothers.

**Printing House**, Norris and Trenton avenue. Architect, A. Dunlap, 2424 North Marshall street. Owner, Benedict Shaw, Trenton avenue and Adams street. Brick, two stories, 30x75 feet, granite, red brick, steam heat, slag roof, electric light. Owners have received bids.

**Bakery**, Eleventh avenue and Fiftieth street, New York City, \$100,000. Architects, Stuckert & Sloan, Crozer Building. Owners, Horn & Hardart Baking Company, 818 Chestnut street. Reinforced concrete, six stories, 88x175 feet, slag roof, steam heating. Architects taking bids, due November 25th. The following are figuring, all of New York City: William L. Crow Construction Company, 103 Park avenue; Cramp & Co., 23 East Twenty-fifth street; William Crawford, 5 East Forty-second street; Turner Construction Company, 11 Broadway; George A. Fuller Company, 111 Broadway; Hennebique Construction Company, 1170 Broadway; Fountain & Choate, 114 East Twenty-third street; Wells Bros. Company, 366 Fifth avenue; Fleischmann Bros. Company, 507 Fifth avenue; Margolis & Co., care of Felix Isman, 1441 Broadway.

**Coal Pocket and Trestle**, Trenton and Westmoreland avenue. Architect, Ralph E. White, Pennsylvania Building. Owners, Owen Letters & Sons, on premises. Stone, wood and concrete, slag roof. Architect taking bids, due November 21st. The following are figuring: J. Myers & Sons, Witherspoon Building; A. Whitehead, 1624 Latimer street; Brown-King Construction Company, Harrison Building; Philip Haibach Construction Company, Twenty-sixth and Thompson streets; J. R. Wiggins & Co., Heed Building.

**Armory** (alt. and add.), Media, Pa. Arch-

itects, Price & McLanahan, Sixteenth and Walnut streets. Owners, Media Armory. Stone, one story, 65x120 feet, slag roof, electric light, steam heat. Architects taking bids, due November 20th. H. E. Grau & Co., 1707 Sansom street, only bidders.

**Apartments** (alt. and add.), 4204 to 10 Parkside avenue. Architect, Charles H. Casper, West End Trust Building. Owner, F. A. Poth Estate. Brick and stone, electric light, slag roof, steam heat. Architect taking bids, due November 21st. The following are figuring: A. Raymond Raff, 1635 Thompson street; J. R. Jackson, Perry Building; T. C. Trafford, 1613 Sansom street; George & Borst, 277 South Eleventh street; Herman Voigt, 1251 North Twenty-eighth street; F. A. Stoll, 1432 Germantown avenue.

**Theatre** (add.), Broad and Porter streets. Architect, C. E. Oelschlager, Harrison Building. Owners, Plaza Theatre. Brick and plaster, fireproof, one story, 24x180 feet, red brick, marble, slag roof, electric light, steam heat. Architect taking bids, due November 25th. Smith Hardican Company, 10 Cherry street, is figuring.

**Cottage**, Ardmore, Pa. Architect, H. Wells Sellers, St. Girard Building. Owner, C. E. Ludington, Jr., Ardmore, Pa. Stone, two and one-half stories, 27x38 feet, shingle roof (electric light, heat reserved). Architect taking bids, due November 25th. The following are figuring: A. L. Fretz & Sons, 1222 Chancellor street; J. Martin Warner, Bryn Mawr, Pa., and W. Harry Roberts, Newtown Square.

**Store Building** (add.), Baltimore, Md. Architects, Goodwin, Starrett & Van Vleck, New York City. Owners, Stewart Bros., Baltimore, Md. Brick and terra cotta, nine stories, 83x201 feet, electric light. Architects taking bids, due November 23rd. Metzger & Wells, Heed Building, are figuring.

**School** (add.), Fifty-eighth and Willow avenue. Architect, J. Horace Cook, Land Title Building. Owners, Board of Education, Land Title Building. Stone, three stories, six divisions, electric light, steam heat. Owners taking bids, due December 6th.

**School**, Thirteenth and Grange streets. Architect, J. Horace Cook, Land Title Building. Owners, Board of Education, Land Title Building. Brick and stone, fireproof, three stories, twenty-one divisions, slate and slag roof, electric light, steam heat. Owners will take bids, due December 6th.

**School**, Third and Mifflin streets. Architect, J. Horace Cook, Land Title Building. Owners, Board of Education, Land Title Building. Brick, limestone and terra cotta, fireproof, four stories, 112x279 feet, slate and slag roof, electric light, steam heat, enamel brick. Owners taking bids, due December 6th.

**Residence**, Ardmore, Pa. Architects, Evans, Warner & Register, Witherspoon Building. Owner, Rowland Evans, care of architects. Stone and frame, two and one-half stories, 30x55 feet, slate roof, electric light, hardwood floors. Plans about completed. Architects will take bids in about two weeks.

## Contracts Awarded

**Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.**

**Stores** (2), 3531-3533 Germantown avenue. Architects, Stuckert & Sloan, Crozer Building. Owner, H. D. Clauser, 3626 North Merivine street. Brick, one story, 20x60 feet, slag roof (heating reserved). Contract awarded to

Philadelphia Building and Construction Company, 1345 Arch street.

**Restaurant**, 718 Chestnut street. Architect, private plans. Owner, F. W. Grace, 718 Chestnut street. Steel and wood, one story.



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Contract awarded to F. B. Davis, 35 South Seventeenth street.

**Residence (alt. and add.),** Rydal, Pa. Architects, Duhring, Okie & Zeigler, Bailey Building. Owner, Benjamin T. Britt, Rydal, Pa. Stone, two and one-half stories, electric light (steam heat, reserved), shingle roof, hardwood floors. Contract awarded to E. D. Lever, Abington, Pa.

**Brewery (alt. and add.),** Germantown avenue and Oxford street. Architects, Pouckert & Wunder, 310 Chestnut street. Owners, Reiger & Gretz Brewing Company, on premises. Brick, steel and galvanized iron. Contract awarded to P. Haibach Contracting Company, Twenty-sixth and Thompson streets.

**Motor House,** Wynnewood, Pa. Architects, Savery, Scheetz & Savery, Stephen Girard Building. Owner, Norman Cantrell, 6303 Ridge avenue. Stone, two stories, slate roof, electric light, hot water heat. Contract awarded to Mowrer Brothers, Merion, Pa.

**School,** Trenton, N. J., \$155,000. Architect, George Poland, Trenton, N. J. Owners, Board of Education, Trenton, N. J. Brick, fireproof, four stories, 76x164 feet, electric light, slag roof, steam heat. Contract awarded to Cramp & Co., Denckla Building.

**Brewery (alt. and add.),** three buildings, Thirty-second and Thompson streets, \$150,000. Architect, Otto Wolf, Denckla Building. Owners, Bergner & Engel Brewing Company, on premises. Brick, terra cotta, fireproof, four stories, 62x123 feet, slag roof, electric light, red face brick, granite. Contract awarded to Stacey Reeves & Sons, 1611 Filbert street.

**Store (alt. and add.),** 4217 Lancaster avenue. Architect, C. E. Rahn, 410 Walnut street. Owners, Rittenhouse Brothers, Frothers, Forty-ninth street and Baltimore avenue. Stone,

one story, electric light. Contract awarded to J. M. Holmes, 5556 Arch street.

**Tenant House,** Swarthmore, Pa. Architect, Newton Flounders, Media, Pa. Owner, Miss Mary Gibbons, Swarthmore, Pa. Brick and frame, three stories, 17x42 feet, hot air heat, electric light, slag roof, red brick. Contract awarded to J. S. Flounders, 1329 Arch street.

**Passenger Station and Sheds,** Spring Garden Street, \$45,000. Architect, W. Hunter, Twelfth and Market streets. Owner, Philadelphia & Reading Railway Company, Reading Terminal. Brick, stone and steel, two stories, 35x98 feet, electric light, steam heat, slag roof. Contract awarded to Charles Gilpin, Harrison Building.

**Siding and Track,** Twenty-sixth street and Grays Ferry avenue. Architect, Quartermaster's Department, Schuylkill Arsenal. Owners, United States Government. Steel and concrete. Contract awarded to Charles Gilpin, Harrison Building.

**Stock Barn,** Penllyn, Pa. Architect, private plans. Owner, H. P. McKean, Penllyn, Pa. Plaster and frame, two stories, 90x100 feet, shingle roof. Contract awarded to J. S. Cornell & Sons, Land Title Building.

**Offices (alts.),** Broad and Spring Garden streets, \$4,500. Architect, private plans. Owners, Baldwin Locomotive Works, on premises. Consists of partitions, windows, etc. Contract awarded to Graham-Campion Company, Heed Building.

**Factory (add),** D and Tioga streets. Architect, William Lowenthal, 2424 North Park avenue. Owners, Brighton Worsted Company, D and Tioga streets. Brick, three stories, 50x159 and 59x33 feet, one story, 34x50 feet, electric light, slag roof. Contract awarded to Joseph Bird Company, 213 North Eleventh street.

dwelling. Cost, \$16,000. Sixteen dwellings. Cost, \$4,000. Two dwellings. Cost, \$15,600. Thirteen dwellings.

**Alterations and Additions**

M. Feldman (O), Fifth and Moore streets. M. J. Lazaroff (C), 1418 South Sixth street. Cost, \$2,800. Store and dwelling, 1006 North Second street.

Abram Cox Stove Company (O), American and Dauphin streets. William Steele & Sons (C), 1600 Arch street. Cost, \$12,000. Factory.

Baldwin Locomotive Works (O), Broad and Spring Garden streets. Graham-Campion Co. (C), Heed Building. Cost, \$4,000. Office.

Daniel Brady (O), Ringgold and Parrish streets. J. J. Harding (C), 746 Ringgold st. Cost, \$1,000. Dwelling, 2336 Aspen street.

Quaker Dye and Bleach Company (O), Diamond and Schiller streets. J. J. Delmar (C), 2429 East Allegheny avenue. Cost, \$1,500. Dye house.

Army and Navy Company (O), 1127 South Broad street. R. J. Gibson (C), 1709 South Twentieth street. Cost, \$1,375. Store.

Fred Cohn (O), 1204 North Fifty-second street. Carvan Construction Company (C), 5143 Irving street. Cost, \$1,300. Dwelling and store, 1224 North Fifty-second street.

Wallace Storage House (O), 206 North Twenty-first street. A. Raymond Raff (C), 1635 Thompson street. Cost, \$5,000. Storage house.

Franklinville Singing Society (O), 513 Butler street. R. C. Shoen (C), 4715 Mascher street. Cost, \$3,195. Hall.

Spreeckels Sugar Refining Company (O), Reed and Meadow streets. Cost, \$2,000. Bridge.

Gimbel Brothers (O), Eighth and Market streets. Cost, \$2,000. Department store.

Joseph V. Horn (O), 204 South Tenth st. Harry R. Reist (C), 41 North Hutchinson st. Cost, \$9,000. Offices, 107 South Thirteenth st.

Dr. D. Webster, Jr. (O), Twelfth and Spruce streets. William R. Doughterty (C), 1608 Sansom street. Cost, \$1,000. Dwelling.

Samul Valnsky (O), 277e Fitzwater street. L. M. Shestack (C), 322 Dickinson street. Cost, \$1,125. Moving picture theatre.

B. Hoffman (O), 1317 North Broad street. M. J. Bryan (C), 278 South American street. Cost, \$1,900. Residence, 904 Spruce street.

C. K. Smith (O), 9201 Germantown avenue. J. E. Walt (C), 204 East Willow Grove avenue. Cost, \$4,500. Garage.

Kelelr Brothers (O), Harnon road. Cost, \$3,800. Dwelling, Harnon road.

# Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

C. West & Co. (O), 1034 Herbert street. Cost, \$7,400. Two dwellings, brick, two stories, 16x40 feet, 1213-15 Allengrove street.

M. C. Indahl (O), 240 East Johnson street. S. Harting (C), 20 East Johnson street. Cost, \$1,100. Garage, brick, two stories, 20x31 feet, 248 East Johnson street.

Samuel Morrison (C), 3601 North Fifth street. Cost, \$2,500. Stable, brick, two stories, 31x102 feet, 3640 North Lawrence street.

A. L. Tourison (O), 7014 Boyer street. Cost, \$9,500. Residence, store, three stories, 27x40 feet, Clearview street and Mount Pleasant avenue.

Tacony File and Hardware Company (O), 6744 Wissinoming street. Cost, \$9,000. Factory, brick, two stories, 21x100 feet, 6744 Wissinoming street.

George Ovington (O), Fox Chase, Pa. W. E. Strook (C), Fox Chase, Pa. Cost, \$5,500. Two dwellings, brick, two stories, 23x36 feet, D and Stanwood streets.

Mrs. T. L. Busser (O), 236 Maplewood avenue. J. Sims Wilson & Co. (C), 1125 Brown

street. Cost, \$13,000. Residence, stone, three stories, 16x30 feet, Westview and Sherman streets.

David Poleski (O), 8412 Eastwick avenue. Cost, \$5,000. Two dwellings, brick, two stories, 16x40 feet, Eighty-fourth street and Eastwick avenue.

D. H. Stroud (O), 3340 North Broad st. Cost, \$3,600. Two dwellings, brick, two stories, 14x30 feet, Germantown avenue and Westmoreland street. Cost, \$3,600. Three dwellings. Cost, \$2,000. One dwelling.

Thomas Y. Cleak (O), 284 West Haines street. James Hillyer (C), 55 East Clapier street. Cost, \$2,700. Two dwellings, brick, two stories, 15x30 feet, Good street and Germantown avenue.

Doughterty & Strod (O), 1712 Wolf street. Cost, \$2,200. Store and dwellings, brick, two stories, 16x38 feet. 134 Wisahrt street. Cost, \$15,600. Thirteen dwellings. Cost, \$2,200. One dwelling. Cost, \$2,200. One store and dwelling. Cost, \$2,000. One dwelling. Cost, \$15,600. Thirteen dwellings. Cost, \$2,500. One

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## A MISCONCEPTION

Regarding the Practice of the Architectural Profession and

## A CORRECTION

By the COMMITTEE ON INFORMATION  
of the AMERICAN INSTITUTE OF ARCHITECTS

The following is the article as it appeared:

### ARCHITECTS AND THEIR SERVICES.

Many people who have the building bee in their bonnet but who are not quite ready to go ahead, are afraid to approach the architect and talk the house over for fear he will consider himself definitely engaged, or for fear he may charge for every word of advice given. Now, most architects are pleased to give suggestions and to make rough sketches gratis in the hope of getting the commission. But if these sketches are taken to an inferior man to be worked up, or as it is not uncommon, they are given directly to some contractor to build from, the architect usually resents such treatment and sends a bill. No fair-minded person need be afraid of visiting several architects and frankly stating to them all that he came merely to talk the house over and to see some of their work. They will probably all furnish him with rough sketches with the understanding that he is not to be charged for them. In fact, many men in the profession obtain all their work in this way, not only residential, but even municipal, where the expense of preparing rough drawings may amount to a thousand dollars or more. Those who fail to secure the work simply put it down to profit and loss. But if the successful competitor, after making complete preliminary studies, should be told that the owner is forced to abandon his building project, he expects, nevertheless, to be remunerated for them. The usual charge for complete studies is one per cent. of the estimated cost of the work, while for completed working scale drawings it is not unusual to ask one-half of the total commission that would have been paid had the work proceeded.

This brings to mind the story of a young architect, who while visiting his mother in a house he had built for her, was asked by the woman owning the adjoining farm to come and look over the old farmhouse of her ancestors and suggest how it might be remodeled. He spent several mornings measuring up the house and drawing a number of schemes within her figure, \$3,500. Then it occurred to her to ask what his commission would be, and on learning of the customary 6 per cent., she

felt outraged. She expected to pay \$50 at the most, and if the architect charged 6 per cent., she "guessed" the local builder could do the work! and she locked up the young man's sketches in her desk. "But," she went on, "as I consider your mother a very nice neighbor and as she has promised all the apples from the trees along the dividing fence, I would like to pay for the time you've wasted." The amused architect replied that his "wasted" time was worth \$25 and left. No check came, however; but late in the fall his mother received two barrels of her own apples valued at \$5 each, and in payment, so the accompanying note read for her son's professional services. This happened, we are sorry to add, in Connecticut.

And one the following pages will be found the correction:

October 30, 1912.

An open letter to the publishers of "House Beautiful and American Suburbs," 316 Fourth avenue, New York, N. Y.

Gentlemen: Enclosed you will find a copy of the circular recently sent to its members by the American Institute of Architects, to announce the publication of "The Journal," its new official organ.

Under a request for material, members were asked to send me, as chairman of the Committee on Public Information as well as editor of the Department of Communications, etc., notice of any article or other published matter deserving of commendation or requiring correction as public information.

In response to this request members of the institute have called my attention to reprints, in the "Improvement Bulletin" and in the "Construction News," of an article attributed to your publication and entitled "Architects and Their Services."

This article is so amateurish and misleading that I was loath to believe it could have emanated from the columns of your paper. That such was the case can be accounted for only on the assumption that, by some grievous oversight, it crept in unawares. It is inconceivable that any publication of the standard to which yours is believed to have attained could have intentionally given currency to such erroneous and unfair statements.



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If occurring in a technical or strictly professional publication such assertions, while they would have been instantly challenged, might have gone uncorrected because their fallacy would have been so evident to all readers that they would have no power for harm.

But it is quite different, and far more regrettable, when such a false doctrine has been preached from a prominent rostrum like yours to a large circle of hearers, who wish, of course, to be correctly informed on matters with which they are not familiar; people, moreover, whose taste and ideals your magazine, among others, is, in many ways, doing much to elevate.

The architects themselves, even through their own and other professional publications, cannot so well reach the people they would like to interest and inform regarding the practice of their profession, its activities, and its aims. They feel, therefore, that they should be able, with reasonable certainty, to count upon the co-operation of such publications as yours in furthering a more thorough understanding between the architect and the building public. Through such means only can a better appreciation of architecture by the public be stimulated and the art of the country be improved.

It appears to me that, notwithstanding the substance of the article, your intentions were of the best. You evidently meant to advise the public to consult architects of a kind whose probity and ability would be unquestioned, rather than to engage inferior men or to give sketches to some contractor.

But this advice is entirely nullified by the remarks addressed to those people who have the "building bee in their bonnet," when you say, "Now most architects are pleased to give suggestions and make rough sketches gratis in the hope of getting the commission." . . . "They will probably all furnish him with rough sketches with the understanding that he is not to be charged for them."

Were this actually true would not any "fair minded person" hesitate to employ those shopping methods among professional men, that you have suggested? Would not the man of even ordinary business acumen hesitate to engage a person who would lend himself to such methods? Would not such a proceeding give him cause to brand the profession of architecture itself as lacking substantial ethical backbone? The want of system that once prevailed in the professions has been superseded by a more scientific treatment, and architecture, like the other professions, has taken great strides towards securing that modern desideratum of the business world—an efficiency basis, whereby a far greater conservation of human energy is made possible.

In presenting to the public such a distorted view of architects and architecture you are unjust to all three; to your readers who come to you for truth and enlightenment, to the conscientious men who constitute a great majority of those practicing architecture; and to the profession which has gradually emerged from the ooze of capricious remuneration on to the solid rock of the schedule of minimum charges.

It is true that there are architects who conduct their business along the lines indicated, but, fortunately, their number is very few. It is quite certain that your statement, "many men in the profession obtain all of their work in this way . . . and those who fail to secure the work simply put it down to profit and loss" is a flagrant exaggeration.

It is palpably impossible for many men in the profession to secure all of their work in this way as such a procedure would automatically work their extinction—many men could only secure some of their work in this way and only some very few men could secure all of their work in this way.

It is merely a question of economics. The accepted fact that something cannot be obtained for nothing holds quite as true in architecture as it does in law, medicine, or any other profession or business. You surely admit that even "the laborer is worthy of his hire." Is it not just as necessary that men in the higher walks of life should receive at least a modicum of recompense for effort honestly expended? Your sentence would, therefore, be more accurate if it read, "In fact some men in the profession, by reason of their inexperience or their inability to secure work in any other way, frequently furnish rough sketches with the understanding that there will be no charge made for them. Such practice is the exception, however, not the rule."

I trust that you may see your way clear to modify some of your assertions so that readers of so interesting a magazine as yours may be brought to feel that the proper attitude to assume in selecting an architect would be this:

From a careful inspection of executed work, from published illustrations, or through an acquaintance with the personal qualifications, determine which architect you wish to employ—and engage him. Or, if that architect offers to make sketches for you without charge, ask him why he can afford to be so liberal with his time. If he frankly admits that it is because he cannot secure work otherwise, by reason of his inexperience, tell him that you will gladly encourage him by starting his career and that you will entrust him with

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your work in case he can please you, but that you cannot think of incurring an obligation in case he fails to please you. If his sketches are satisfactory you may flatter yourself that you have been discerning enough to recognize a man of innate talent and have helped him to make good. Every one must make a start and you will have helped him to make his. But if he does please you, pay him by all means and go to some one else of superior ability.

If you find that you must pay this more capable architect a higher fee, as you doubtless will, be astute enough to realize that he, merely by his higher efficiency, will be able to save you probably more than his entire fee—at the big end—the total cost for the quantities received.

If, on the other hand, an architect—without the excuse of inexperience—offers to make you sketches for nothing, look out well for yourself if you engage him. In the end somebody has to pay for the sketches he makes for nothing, and you are likely to find yourself paying, in some way or other, not only for your own work, but for the sketches which he has been making for some of the other people for nothing.

The moral after all is summed up in the golden rule, "Do unto others as you would that they should do unto you."

Your statement that many architects obtain all of their work in this way, even for municipal work when the expense may amount to a thousand dollars or more, is to preposterous to be entertained by any right thinking person.

I have refrained so far from quoting the American Institute of Architects in this matter, but I conclude by enclosing you copies of documents issued by this national body, which constitutes the majority of the reputable men practicing architecture in this country. These are:

"A circular of advice relative to Principals of Professional Practice and the Canons of Ethics.

"Competitions: A circular of advice relative to the conduct of architectural competitions and a code governing the conduct of members of the American Institute of Architects taking part therein.

"Professional practice of architects and schedule of proper minimum charges."



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You will also see by the "Schedule" that the "usual charge for complete studies" is one-fifth of the entire fee and not one per cent. of the estimated cost. And that for complete workings it is usual to receive three-fifths of the entire fee—and not one-half.

The documents which I enclose could have been procured for the asking and, had they been secured, would have set you right from the start.

Our committee has been formed for the purpose of furnishing information on these and other matters, and will be glad, at any time, to assist you and all other publications, through the proper specialized channels, in placing authoritative data before the public.

Believe me,

Yours very truly,

(Signed) D. KNICKERBOCKER BOYD,  
Chairman Committee on Public Information,  
A. I. A.

Committee:

Glenn Brown,  
Frank C. Baldwin,  
D. Knickerbocker Boyd, Chairman.

## ONE HUNDRED FOOT BRIDGE OF BAMBOO.

The government engineers in Java have recently constructed a road bridge more than 100 feet long, with a central span of over 60 feet, completely of bamboo. Even the road bed is composed of bamboo matting, covered with a layer of earth. The bridge resembles a steel structure in profile, but all the members are bamboo rods. It is estimated that such a bridge should last about fifteen years.

## ILLUMINATION AND ARCHITECTURE

### Great Progress made in Considering Interior Lighting Schemes in Connection with the Building Illuminated.

With the improvements made in artificial lighting during the past few years, illuminating effects which were considered impossible not long ago, now form important parts of the architectural scheme of many of our more important buildings.

It is encouraging to note this development and the satisfactory results attained, because it proves that wherever successful spectacular illumination is achieved, the architects and engineers have worked hand in hand. It is necessary that both architect and engineer should meet on common ground, and while the ideas of both may differ to a material extent, there is a neutral ground on which they both can agree if willing to compromise to a certain extent.

In many cases, however, the engineers do not understand or appreciate the importance of the architectural effect, and if their recommendations were carried out verbatim, the entire conception of an interior would be spoiled, writes Melvin Spencer in the "Ohio Architect, Engineer and Builder." On the other hand, the architect often attempts to produce special effects in artificial illumination, keeping uppermost in his mind the architectural detail.

Results in the past have proven that this is disastrous, as it is seldom that an effective scheme of illumination, along special lines, can be worked out, unless most careful attention is paid to apparently minor and insignificant details, which have to be attended to when the plans are first drawn.

Perhaps in no other branch of illumination is this more strikingly illustrated than in the use of cove lighting for interior work. In certain classes of interiors, architects have always been more or less in favor of this idea of lighting a room, but in nine cases out of ten, the results have been unsatisfactory, both from a lighting as well as an architectural standpoint. The only reason for such results has been an insufficient understanding of the factors entering into the successful carrying out of this type of illumination.

A difference of a few inches in the position of a cornice will make or mar an installation of this kind. Equally important is the contour of the cove without the cornice. Often a slight change in the shape or treatment of a ceiling will make a remarkable difference in the efficiency and appearance of cove lighting.

There are many skilled engineers who have instructed themselves in the essential principles of perspective and architectural details, and are willing to sacrifice an ideally perfect installation in order to preserve the architectural effect; where this is done, both the architectural beauty of a room may be

preserved and the illumination will be successful.

With the use of properly designed reflectors, it is possible to light an interior of large dimensions, such as an auditorium or a church, or dining room of a hotel, so that not a lamp is visible, and the light is evenly distributed over the ceiling.

In cove lighting there is too often a blaze of light immediately above the cornice, producing a bad glare and comparative darkness in the center of the ceiling. This ruins the effect and purpose of concealed lighting, as in reality the lamps are not properly concealed, because due to the intense glare above the cornice the source of light is easily discovered, while the soft, subdued illumination desired, is utterly lacking.

#### Should Consult Experts.

When an architect first determines the treatment of an interior, rough plans or sketches should be forwarded to experts in illumination for suggestions. They can probably make slight changes which will materially improve results, and the design of the cove in the cornice may be left to them. A special reflector may then be designed that will direct the maximum flux of light where desired, so that an even illumination of the ceiling is possible; if these sketches are carefully followed by the plasterer, so that the cove is made to fit the special reflectors designed, successful results are the rule.

The difference between successful and unsuccessful installations is due largely to this preliminary consultation. The same applies to lighting of large interiors by means of reflectors concealed behind pilasters or piers, as in the sanctuary of a church. If reflectors are not carefully designed, the tonal quality of light will be entirely lost. Instead of having an evenly lighted interior, a decidedly spotty one will result. A conspicuous example of the better class of lighting of this kind is in the Cathedral of St. John the Divine, New York City, where the light is entirely concealed and remarkable for its even tone.

In church illumination, it is often desirable to equip lights of this character with dimmers, so that any degree of intensity can be secured, as it is often advisable to have a dim religious light during certain ceremonies, and on other occasions festive in nature, a blaze of light is desired.

#### Illuminating Churches.

Church architecture, with its long vistas and vaulted ceilings, is, as a rule, not adapted for fixtures, or rather, it is difficult to adapt fixtures for this style of architecture. In the better class of church interiors, at the present time, an effort is being made to do away with fixtures and secure a brilliantly



lighted auditorium with the lights concealed. The interior construction often determines the advisability of adopting this plan, but two or three schemes have been worked out successfully in the larger churches throughout the country that might be of passing interest.

One scheme consists in the use of strips of carefully designed reflectors concealed behind the piers of timpanum or arches. In other cases, where a flat or arched ceiling is used, it is often possible to incorporate in the ceiling design, a decorative panel using stained glass and above the stained glass, among the rafters or false ceiling, to place powerful, especially designed reflectors, which will force the light through the stained glass and provide illumination for the auditorium. This opens up an infinite field for the elaboration of ceiling and church work that will give results as effective by day as by night.

The consumption of current by the latter method is often not as great as the use of fixtures involves, and the result if properly designed reflectors are used, is uniformly successful. Often an ornamental corona or molding is made, in which to set the stained glass panels, the design of which matters little to the efficiency of the system, but can be adapted to the needs of individual installations.

This system has been successfully applied in groined vaulted ceilings, and where such an ornament has been made it has produced a striking effect both day and night.

#### A Unit of Light.

The possibilities of this scheme in the treatment of interiors, such as auditoriums, ball rooms, restaurants, lodge rooms, etc., are endless, as it is possible to design a hanging ceiling, conceived as a unit of light, and decorative designs can be worked out with lighted portions as a part of the ceiling design. Arrangements can be made that, during the day, only sufficient light is used to make these panels luminous, so that the design conceived for a night effect will be equally as effective by day without wasteful cost of current. Some really remarkable installations of this character have been made, rooms 100 feet square and 70 feet high being perfectly lighted without a lamp being visible.

In considering the architectural effect of interiors, under artificial illuminations, the utmost attention should be paid to keeping the light source screened from the eye as much as possible. It is a well-known fact that details which are quite indiscernible when brilliant lights are exposed to the eyes, appear with remarkable sharpness if the direct light is shielded from the retina. In many cheap vaudeville houses, where a quick change

of scene is desired without lowering the curtain, brilliant light are ushered in the eyes of the audience, with the result that movements on the stage are invisible. This is simply an exaggerated example of the effect of exposed lights and the blurring of details.

#### For Architectural Draftsmen.

This principle has special application to scientific lighting of working surfaces, such as desks, architectural drafting tables, etc. In the lighting of banks, the proper illumination of double desks, single desks, bookkeepers' desks, etc., are of special importance, and this item has been the source of considerable worry to the architect, as much attention has been paid to it and still results have been unsatisfactory. Generally, brackets with cone shades are used in various combinations, but results have always produced a bad glare line at the point where the light was reflected directly in the eye.

A special system has been designed for the illumination of banking desks, whereby the principle of cross reflection is used, and the light is forced on the working plane at an angle approaching 180 degrees, so that no light is reflected directly into the eyes. The result is that no glare is produced. Cold drawn bronze is used as a framework for these desk lights, with the result that no direct light is visible to the eyes and the angles of reflection can be so designed that an even light is diffused over the working plane.

The proper illumination of the cages is another problem which has always worried the architect, both from its practical and artistic side. Where brackets are used, the source of light is directly in the line of vision of the clerks, and the lamps are generally disfigured by the use of blotters or tissue paper used to lessen the glare, with the result that the dignified and harmonious appearance of the bank interior is ruined.

There has recently been developed a scheme whereby the source of light serves as a cornice for the screen. Cold drawn bronze, in appropriate mouldings, is used for the cornice and equipped with a ground glass diffusing door. Inside of this frame work correctly designed reflectors, with tungsten lamps, are placed, so that a continuous line of light results. By daylight, the appearance of the screen is symmetrical and dignified, and by night no exposed light source is visible.

The same idea can be carried out on the partition screen and where no counters are used blank mouldings can be employed, so that the entire cornice presents a uniform, harmonious appearance.

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#### Lighting Operating Tables.

The lighting of hospitals is of such a nature that very little significance can be attached to its architectural relation to the rest of the building, but as the architect is compelled to look out for the best interests of the people who are to use his building, and as proper lighting is of the utmost importance in hospital work, it is worthy of attention.

For the ward rooms where the eyes of the patients are generally in a weakened state, due to a more or less weak physical conditions, care should be taken to protect the eyes from direct light, and for this reason white enameled indirect lighting fixtures of simple design and provided with a glass cover to keep dust from accumulating, should be provided. These are in keeping with the spotless appearance of the interior of ward rooms and can be easily cleaned and kept sanitary.

In the operating room a white enameled fixture can also be used and care should be taken that a ventilated reflector is chosen, as high candle power is required in this work and the heat generally developed by such lamps is a source of annoyance and sometimes of positive suffering to the surgeons.

#### Store Windows May Be Improved.

Even the lighting of a store window has its architectural significance, since the finest and most carefully planned window can be spoiled by improper lighting. It is now a generally accepted principle that the source of light should be totally screened and the light focused on the goods displayed, but very often

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the effect of the window is spoiled by an annoying back reflection showing lamps and reflectors in the back panel of window. This can easily be avoided by a properly designed reflector. In many cases, where an open back, or a partially closed back is used, and where the source of light for the window display is visible from the interior of store, it is advisable to use a drawn bronze moulding which will harmonize with the transom bar, thus giving a finished appearance in the window without the annoying glare generally present.

Very special problems in illumination come up for consideration in the architectural routine, such as the lighting of art galleries, squash courts, etc. In private residence work, it has been often difficult to make these spe-

cial reflectors harmonize with the general scheme or the interior, but at the present time these reflectors are available in various moulding effects, so that the design can be carried out in any period and readily made to serve an ornamental purpose.

It is these problems which occur in ever changing combinations, that makes the treatment of illumination in relation to architecture a difficult problem. Each one needs special attention and care, but the solution can generally be found when perseverance, patience and correctly designed reflectors properly placed, are used.

### STORIES OF BELLS.

#### Chimes in the Sea Waiting for Snow White Oxen to Pull Them Out.

To this day the choristers of the Cathedral at Durham, England, sing the "Te Deum" upon the tower on the eve of Corpus Christi. This, says a writer in "Ave Maria," is to commemorate the extinguishing of a fire on that night in the year 1420.

The monks had risen at midnight to pray, when the belfry was set on fire by lightning. The flames raged all night and until the following noon but the tower was only slightly injured, and the bells were not damaged in the least.

Somewhere beneath the soil of Sussex there lies a peal of bells, while in the church near by a solitary bell calls to prayer. In the Middle Ages, it is said, a certain valiant knight wished to present to the church a peal of bells that should be of use and perpetuate his memory as well; but the vessel that brought them careened on approaching the harbor, and

the bells fell out and sank into the mud. Thereupon the donor declared:

"Never shall the church have a chime until that peal I give it be dragged from the sea by a team of four milk white oxen."

The oxen seem to have been difficult to obtain; at any rate, the fact remains that to this day the edifice to which the pious knight made his benefaction has never possessed more than a single bell.

A spot in Northumberland used to be pointed out by very old people as a place where a great treasure was buried. Finally some curious persons set to digging and exhumed the remains of a bell, which was identified as that formerly belonging to the ruined priory near by. The story of its burial is this: A pack of Scotch thieves were searching for the priory, but it was so situated that it was concealed from the gaze of the marauders by the highlands about it.

They were exceedingly wroth and marched away in disgust, and the monks, to celebrate their deliverance from the enemy, rang their beloved bell. Unfortunately they were too hasty. The bandits heard the sound, retraced their steps and sacked and burned the priory. It is supposed that during the conflagration the bell fell to the ground and the homeless monks, finding the pieces, reverently buried them.

Henry VIII looked upon bells as a means of adding to his income and encouraged their construction, but ill fortune attended those who abetted him. One nobleman from whom he is said to have won a peal of church bells by throwing dice was shortly afterward hanged to Tower Hill. And a certain Bishop of Bangor, who, having sold King Henry the beautiful bells of his cathedral, went to see them shipped and was stricken with blindness.

### ELIMINATING DUST FROM CONCRETE.

A Massachusetts engineer and builder gives two methods which proved satisfactory for stopping the dusting of floors already built.

The first is to apply a coating of boiled linseed oil and, second, a coating of water glass or sodium silicate. As a rule there is entirely too much working on the surface material in laying concrete floors. As natural stone is much harder than concrete, it will resist abrasion much better and therefore the larger percentage of natural stone can be brought to the surface in laying concrete floors the less will be the dusting. The more the troweling the more will the smaller particles be worked toward the surface. Furthermore, the last of successive trowelings which are common it apt to take place after the concrete has taken its initial set and therefore tends to reduce the strength.

He also states that if the finished floor is laid integral with the under-flooring, all being placed in one operation, the top layer can be considerably thinner than if applied after under-flooring has set.—"American Carpenter and Builder."



## Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

\*\*One of the more important industries in the United States of which comparatively little is written is the production of sand and gravel. In 1911, according to a report by E. F. Burchard, just issued by the United States Geological Survey, the production of sand and gravel amounted to 66,846,959 short tons, valued at \$21,158,583. The production of sand of all kinds was 40,253,977 tons, valued at \$14,438,500, and that of gravel was 26,589,982 tons, valued at \$6,720,083. The production of glass sand was valued at \$1,547,733, an increase over the figures of 1910; the sand used for building in 1911 was valued at \$7,719,286, a slight decrease as compared with 1910. This was accounted for by less activity in 1911 in the building trades, including that of concrete construction. The production of molding sand in 1911 was valued at \$2,132,459, a marked increase as compared with 1910. The production of all other sands in 1911, such as sand for grinding and polishing, fire sand, engine sand, and filtration sand, was valued at \$3,043,012, an increase of over a million dollars in value as compared with 1910.

\*\*The Blaw Steel Construction Company, Pittsburgh, announces that Herman Nieter, recently general sales manager of the Kennicott Company, Chicago, is now associated with it at its eastern office, 165 Broadway, New York City.

\*\*The Hershey Chocolate Company, Hershey, Pa., is planning to erect its own plant for the manufacture of the tin cans used in its business.

\*\*The Youngstown Sheet and Tube Relief Association gave a banquet on September 30 to twenty former department employees of the Youngstown Sheet and Tube Company, Youngstown, Ohio.

\*\*“Out of nine firms specializing in reinforced concrete in New York City some three years ago I have been told that only three survived the year,” remarked Leonard C. Wason, president of the Aberthaw Construction Company, in a recent paper. Mr. Wason further stated that in the field with which he was most familiar only two concerns which he had known in the past seven years have continued to specialize in reinforced concrete. He believes that the losses in this particular trade, aside from the lack of knowledge of job costs, can be explained because of the large overhead and lack of proper accounting.

\*\*The Cement Products Exhibition Company announces that space will be set aside at the Pittsburgh and the Chicago show for the exhibition of interesting articles made of concrete. Everybody is invited to offer for display, free of cost, any interesting thing of

concrete which he has made or can secure for exhibition purposes. To each such object the management of the shows will attach cards, giving information as to the maker and so on.

\*\*Production of lime in the United States for the year 1911 showed a decrease from 1910, according to a report of the Geological Survey, by Ernest F. Burchard. The 1911 figures were 3,392,915 short tons, valued at \$13,689,054, as against 3,505,954 short tons, valued at \$14,088,039 in 1910. The decrease in quantity is 113,039 tons, and in value \$398,985. The average price per ton in 1911 was \$4.03, an increase of 1 cent per ton over the 1910 price. The total number of producers reported in 1911 was 1,089, a decrease of 38 from the figures given for 1910.

Pennsylvania, Ohio, Wisconsin, West Virginia and Missouri were the five leading lime-producing states in 1911, in the order named.

Hydrated lime produced in 1911 amounted to 304,593 short tons, valued at \$1,372,057, with an average price of \$4.50 per ton, as compared with 320,819 short tons, valued at \$1,288,789, an average price of \$4.02 per ton in 1910.

\*\*At a meeting in Birmingham, October 19, of common creditors of the Atlantic and Gulf Portland Cement Company, whose mill is at Ragland, Ala., J. H. Carter, W. S. Lovell and H. C. Stiles were elected trustees to succeed J. H. Carter and W. S. Lovell, receivers. The receivers' report showed that the company had made good profits during the receivership and recommended that the mill be operated for the benefit of the creditors.

The cement company has had financial difficulties due to over-capitalization and lack of working capital. Because of the low sales price for its product on orders taken last winter and spring, the company was unable to pay its July interest and receivers in equity were asked for by northern bondholders. Immediately following this a petition in bankruptcy was filed by several Birmingham creditors and the above mentioned receivers were appointed by Judge Grubb of the Federal Court, July 30.

\*\*The Nebraska Cement Users' Association is sending out notices of its coming convention and mid-west cement show which is to be held in the Auditorium at Omaha, February 4 to 8, inclusive. It is believed that the general interest in concrete construction in the Middle West will make the show this year an interesting one. Peter Palmer, Oakland, Neb., is president, and Frank Whipperman, Twenty-eighth avenue and Shaler street, Omaha, Neb., is secretary.

\*\*Platt Iron Works, Dayton, Ohio, has been

reorganized, the new interests having taken over all the physical assets, as well as the inventory and accounts receivable from the trustees on September 30. The company starts with a working capital of \$700,000. Its preferred stock is \$1,100,000 and its common stock, \$1,000,000. The company also has outstanding \$700,000 in 6 per cent. twenty-year gold bonds. The new board of directors is as follows: Chairman, Waddill Catchings, president of the Central Foundry Company, New York; George W. Davison, vice-president of the Central Trust Company, New York; Albert Rathbone, Joline, Larkin & Rathbone, attorneys, New York; E. F. Platt, vice-president and treasurer of the company; J. L. Reichmann, president of the company. The officers, in addition to those named are: Vice-President, J. F. Hartleib; secretary, John Sturgess. The company is planning to spend \$50,000 in improvements on its plant, some of which are now under way.

\*\*Shirley Radiator and Foundry Company, Beech Grove, Indianapolis, Ind., announces that its president, Robert Martindale, has retired from active participation in the management of the business and will be succeeded in the management by Fred W. Smith, who has been active in the recent development of the company.

\*\*International Heater Company, Utica, N. Y., announces the election of Irving L. Jones as treasurer of the company, succeeding F. H. Moore, who is engaged in the reorganization of the McCrum-Howell Company. Robert J. Clift has been appointed manager of the New York City branch, succeeding John K. Simpkins, who has been appointed eastern sales manager, with headquarters at Utica. Walter Jones has been named as superintendent of manufacturing at the company's plant in Utica. All of the appointees are men who have long served with the company.

\*\*American Radiator Company, Chicago, has commenced work on the addition to its new factory in Kansas City, Mo., at Twelfth street and Eastern avenue. The addition will be one-story, of brick, steel and concrete construction and will cost \$110,000. It will be completed by May, 1913. The Worden-Allen Company is the builder.

\*\*Eastern Supply Association held its annual meeting at the Hotel Astor, New York, October 9. The principal speaker was former Representative James T. McCleary, who made an address on the subject of the tariff. Mr. McCleary's remarks will be reprinted and distributed by the association. Among the new members elected was the H. W. Johns-Manville Company, New York. Officers for the ensuing year were elected as follows: President, P. M. Beecher, Pierce, Butler & Pierce Mfg. Company, Syracuse, N. Y.; first vice-president, A. A. Tomlinson, Virginia-Carolina Supply Company, Norfolk, Va.; second vice-president, W. L. Blake, W. L. Blake & Co., Portland, Me.; treasurer, Martin Behrer, Behrer & Co., New York; secretary, Frank S. Hanley, New York.

\*\*E. F. Dean, until recently superintendent

(Continued on page 762.)



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## Editorial Comment

The Committee on Public Information, now established as a working factor in the activity of the American Institute, has an open letter in this number of "The Guide" correcting certain misstatements embodied in a recent article in our contemporary, "House Beautiful." As pointed out in the letter in question, these misstatements, while not perhaps serious in themselves, were of a character calculated to engender loose and erroneous ideas upon the part of the public with reference to the practice of architects in the matter of preliminary sketches. Inasmuch as one of the main functions of the Committee on Public Information is to correct, and in so far as this is possible to prevent, misapprehensions of the kind, the article is very properly made the theme of criticism. The fault, it is true, lies in the instance at hand with the writer, or contributor, rather than with "House Beautiful." Be an editor ever so punctilious, there must happen, now and then, an occasion when, in the haste and hurry incident to getting a publication out on time, complete and exact supervision is not always either practicable or possible. Besides—even Homer nods. We shall be very much gratified indeed not to find in the new publication which we understand the Institute talks of publishing for itself lapses quite as serious in their way as the misstatements so sharply challenged in the case of "House Beautiful." Infallible people are likely to be scarce—whether among journalists or architects—all of us being to some extent prone to error. A little note to the publisher, unattended by a tithe of the publicity given this "House Beautiful" item, would, in "The Guide's" judgment, have been quite as efficacious as the judge-advocate-and-twelve-good-men-and-true flavor of the letter printed elsewhere in this number. Albeit, it may be that the publicity given the present instance may in the end prove the part of wisdom following the old theory that making an example of one culprit is not without a tendency to discourage others of his kind. In any event, the Institute deserves to be congratulated upon the possession of a Committee on Public Information which has to a degree quite unusual in bodies of the kind the courage of its convictions.

\* \* \*

If there is any one thing upon which "The Guide" prides itself more than any other, it is the fact that in borrowing good things from its contemporaries, it has never failed to pay the most scrupulous heed to awarding in every instance full and due credit to the source from which it has borrowed. That we were guilty in a recent issue of violating this principle was due solely to the circumstance that in bobbing about among our exchanges the article quoted had in some measure so lost its original identity as to seem

part and parcel of one of its parents by adoption rather than the progeny of its blood parent. The article referred to was one dealing with the architectural possibilities of brick, which was written by our esteemed friend Mr. Charles Matlack Price for "Arts and Decoration," and should have been so credited. By one of those errors easily made in the preparation of a mass of material for hurried publication, the article was credited to the "Contract Record," or to some other publication other than the original producer. Our apologies go to Mr. Price and "Arts and Decoration," mingled with the most genuine regret that the miscredit was permitted to occur. The title of the article in its entirety was "The Evolution of Brick Building," and it appeared originally in the December, 1911, number of "Arts and Decoration," of which Mr. Price is the accomplished and distinguished editorial head.

\* \* \*

Mr. Franklin Miles Day is interviewed in the "North American" of Sunday last on the disposition shown by visiting Europeans to criticize American architecture. And as usual Mr. Day delivers himself of a number of eminently sane, quotable and optimistic things regarding the profession of which he is one of the most brilliant exponents.

"Has our national genius for architecture manifested itself in the skyscrapers?" Mr. Day was asked.

"Perhaps. But who can say?" Mr. Day rejoined. "Steel construction leads to masses of great height and, sometimes, of great picturesqueness. Witness the famous skyline of New York City. Buildings of this class are now more in the public eye than are any others. They are being introduced in Europe; but the restrictions as to height there prevents such structures from being such striking objects as in the United States. The problem of handling the steel skeleton is essentially a modern one, and American architects have unquestionably achieved impressive masses. But the skyscraper, thus far, apart from its intensely picturesque possibilities, is not an artistic success comparable with the temples of Greece or the cathedrals of Europe. I doubt whether it ever will be."

"Are we then misled and hopelessly behind Europe?"

"By no means," Mr. Day hastened to respond. "In monumental architecture—to take one great division of the art—we are doing extremely well. Many of our architects are thoroughly well trained in handling such structures. Our government buildings are dignified and scholarly. As examples of admirable restraint, the new office buildings of the House and Senate, in Washington, are beyond criticism; as examples of dignity and scholarly conception, we have now many buildings of the monumental type to our



credit—the new post office in New York and the New York Public Library, the Boston Public Library and the federal buildings in Indianapolis and Cleveland and in many other places. Than the library at Columbia University there is no nobler structure in America; and the University Club, in New York, will hold its own against the finest palazzo of the Italian renaissance.

"In connection with our now proved capacity for monumental architecture, it is well worth while to remark that our great railroad stations show a grasp of the problem by American architects, and a willingness on the part of corporations to rise to public needs, which are both highly gratifying. Probably no better evidence of the manner in which our work is regarded abroad by those who are really competent critics can be had than the opinion of the well-known English architect, Cecil Brewer. His words, on returning from a visit to this country, are well worth quoting for their bearing on our solution of such problems."

Mr. Day turned to this remarkable tribute from the eminent English authority:

"Imagine an entire railway station, with fittings and furniture, designed by the architects; a railway station so planned and so contrived that there is no noise nor bustle, where no porters intrude with luggage, and where it has even been thought worth while to forego the profits of the bill-sticker that all may be well ordered and dignified. It is as if the directors had said: 'We will startle the public, not with glare and noise of our money-making, but with dignity and repose.' And so to-day the conception of a railway station as a dignified thing seems to have taken hold of the Americans, and we have the big Washington station and others in the same spirit.

"The idea of the dignity of commercial enterprise seems to be growing upon the business men and showing itself in the stores, office buildings and banks. Can the Americans be learning the market value of repose in the midst of their strenuous life?

"It may be argued that there is no real newness in this great Pennsylvania station; that the hall is a mere translation of the Baths of Caracalla on a larger scale; that the detail on this and most other buildings of the same type in America is directly taken from Italy or Greece.

"This brings me to the wider criticism of their architects which is so often made by Americans to-day—that they are not evolving a national style. It is surely difficult for contemporaries to judge whether or not a style is being evolved in any art, and it is probable that the same critics, had they lived in the fifteenth century in Italy, would have been chiding the architects for being mere copyists of the Romans. I cannot believe that men who are approaching architectural problems with the freshness, vigor and clearness of thought of the Americans of to-day will not leave behind them something worthy to be called a national style, even if they are

content, for the while, to use and reuse the language of the past.

\* \* \*

"Speed and hustle are the natural parents of copying in architecture. The man, set face to face with enormous problems to be tackled at great speed, turns naturally to the text-book for his details, and I am not sure that, given speed as one of the conditions, the results do not gain in the process, for the architect has the more time for mass and the big idea. Certain it is that the trend of architectural training in America is to this end—to train competent architects and competent assistants, not thinkers and writers on architecture. The man who knows where to find chapter and verse in those wonderful libraries which seem to be a sine qua non in every large office, and how to use the matter when found with a competent good taste and discretion, is the man to help the designer of big schemes."

"Comments like these of Mr. Brewer," remarked Mr. Day, "are highly significant of our attitude toward the large problems confronting us."

"Is there any other architectural field in which we excel?"

"Well, in ecclesiastical architecture it cannot be said that we occupy a leading role. In spite of the admirable work done by a few American architects, the standard of knowledge among those charged with the building of churches is sadly low, and until there is a better public appreciation of what is noble and inspiring in ecclesiastical architecture, leading to a wise choice of architects, our progress will not be rapid. But it must be remembered that it is the average that is low, and not the best examples, which compare favorably with the work of other nations. All we can do is admit that, in ecclesiastical architecture, England, as to the bulk of its work, is far ahead of us at the present day.

"But in another branch of architecture, the building of houses, we hold our own well. Indeed, our work improves year by year.

"Our finest city houses hold their own against those of any other nation, and our country houses compare well with even the best of modern work in England. They are certainly more interesting, more filled with the right qualities, than those of any of the continental nations.

"The improvement in the character of American architecture within the last twenty-five years is little short of marvelous. The outlook is hopeful. Every opportunity lies before us. There is an immense field of work. The growth of our population not only in numbers, but in wealth and intelligence, is amazing. It calls for an ever-increasing army of architects, and a fair number of them seem capable of seizing the opportunities before them. The rank and file of the profession are now far better trained than ever before—something for which we have to thank the excellent schools of architecture which are now established in so many different places. Our

ablest men have produced works which hold their own against the masterpieces of other modern nations."

\* \* \*

Director Cooke, of the Department of Public Works of Philadelphia, has set about reviving the McLaughlin idea of beautifying the City Hall courtyard, with the difference that in place of the usual "too much Johnson" associated with the architectural projects of former administrations, Cooke has asked Philadelphia Chapter A. I. of A. to submit designs. That something could and should be done to make the courtyard less an eyesore to visitors from other cities there is not the slightest doubt. And that the local Chapter of the A. I. of A. is the proper body to be consulted in a matter of the kind ought to be plain to everybody. Now that the pet architect order of things has passed—temporarily at least—let us hope that the thing will be pushed right through to completion. It is a pity that resources are lacking to undertake and carry through other and similar phases of the Reyburn Comprehensive Plans, now that there is a possibility of handling such enterprises without the aid of planning experts whose chief claim to consideration is the open favor in which they are held by political bosses whose spelling of art is accomplished with a small a.

May we congratulate Director Cooke and indulge the hope that he may find the money to go ahead with the beautification of City Hall courtyard without dalliance or delay?

The idea was a good one years ago.

It is a grand one under the auspices now in control.

The expert assistance we give our advertisers in the matter of preparing copy so as to make it tell is, in itself, worth all the money they spend with us. Our services in this avenue are at the disposal of every "Guide" advertiser, present as well as prospective.

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The darkest hour in any man's life is when he sits down to plan how to get money without earning it.—Horace Greely.

### THERE'S ONLY ONE WAY.

A man may guy,  
And a man may lie,  
And a man may puff and blow;  
But he can't get trade by sitting in the shade,  
Waiting for business to grow.



## Is that New Building Operation of Yours Nearing Completion?

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### TRADE NEWS AND GOSSIP.

(Continued from page 759.)

of boiler construction for the United States Radiator Corporation, Detroit, Mich., has resigned to take the position of plant superintendent for the Pierce, Butler & Pierce Mfg. Company, Syracuse, N. Y. Mr. Dean for many years superintended the manufacture of the Hurnedeen boilers, which are now made by the United States Radiator Corporation.

\*\*Frank J. Fee, president of the National Association of Master Plumbers, has appointed the following board of directors for the ensuing year: A. C. Eynon, Canton, O.; W. H. Halsey, Milwaukee, Wis.; John Trainor, Baltimore, Md.; Jeremiah Sheehan, St. Louis, Mo.; F. H. Gawthorp, Wilmington, Del.; Isaac J. Brown, New York; S. Louis Barnes, Philadelphia, Pa.; Robert E. Quinn, Paterson, N. J.; Carl J. Stein, Chicago, Ill.; Robert J. Welch, Lowell, Mass., and Thomas Haverty, Los Angeles, Cal. In addition to the foregoing the officers of the association are also members of the board.

\*\*J. B. Bernhard has resigned as manager of manufacture for the Pierce, Butler & Pierce Mfg. Company, Syracuse, N. Y. Mr. Bernhard has lately been granted a patent on a new side fed boiler which, it is expected, will shortly be placed on the market.

\*\*The United States District Court for the district of New Jersey has sustained the Canniff patent covering the compressed air concrete mixers manufactured and sold by the Ransome Concrete Machinery Company and known to the trade as "Ransome-Canniff Grout Mixers." In a suit commenced against the Cockburn Company in 1912 by the Ransome Concrete Machinery Company, for infringement of patent, a decree was granted August 13, 1912, by Judge Relstab, of the United States District Court for the District of New Jersey, stating in part, that the de-

fendant, the Cockburn Company, has infringed the claims of said letters patent and the exclusive rights of the complainants under the same by making, using and selling pneumatic grout mixers and discharging apparatus, embodying the said invention and improvement, patented as aforesaid, as charged in the said bill of complaint.

\*\*At a meeting of the Executive Committee of the National District Heating Association, held in Detroit, Mich., October 30 and 31, it was decided to hold the next annual convention of the association in Indianapolis, May 27, 28, and 29, 1913. Headquarters will be at the Claypool Hotel.

Papers upon the following subjects were arranged for to be presented at that convention:

- "District Heating on the Pacific Coast."
- "Possibilities of Hot Water Heating."
- "Line Condensation in Different Forms of Construction."
- "Results of Using Bleeder Turbines."
- "Appraisal of Heating Properties."
- "Station Designs with Special Reference to Overland Capacities."
- "Uses and Abuses of Public Service Commissions."
- "Hot Water Heating for Residence Districts."
- "Public Policy."

The report of the committee on meters is working to obtain the experience of those stations that have changed over from flat rates to meter rates and this information, it is expected, will be incorporated in its report.

## FALL WALL PAPER STYLES

Novelties in Black and White from the London Makers.

Home decorators need not be told by us that fashions in wall paper change with the seasons, just as fashions in dress change, and while some years the line between the old and the new isn't strongly defined, this fall sees a number of marked novelties.

For example, says a New York importer, one style which holds the public just now is the wall paper with a black background on which golden arabesques, bright plumaged birds and gay flowers abound. This is an echo of the coronation in London. Matching this paper are carpets, chintzes and other draperies.

"Another departure which is making itself felt rests upon the influence of the Chinese designs copied from old prints which were brought into England from China and India, and this is the style that is comprehensively termed Chinese Chippendale. Many of the designs are very old; some copied from prints in the South Kensington Museum date back between sixty and seventy years.

"Just at the present moment the English treatment of the chintz pattern so much in vogue during the Chippendale period has been revived and the same idea has crept into the wall papers with very happy results. The background, generally speaking, is white, cream or twine color and the figures are slightly eccentric without going to extremes. For example, there are to be seen on some papers little groups of rocks with flying birds and arabesques. These designs are essentially different from the Morris conception of wall papers, which followed more simple, conventionalized forms and were largely floral in character.

"Presumably the tapestry papers will never go out, since they fill a need that nothing short of the textiles themselves can supply. In fact, any of the styles of wall paper that reproduce a fabric are liked, for it has been discovered that there is something especially

soothing about such wall coverings and the linen effect in particular is in demand for the informal library, living room or den.

"In the papering of rooms, slight changes have taken place. The old style of having the side walls plain with a floral frieze has gone out. Now, instead of the plain ground and heavy frieze, the aim is to give the side walls a sense of bulk, the effect growing lighter and lighter towards the ceiling. Exceptions to the rule are found in the case of very high walls when the ceiling is brought down by means of the deeper frieze. Generally speaking, it is more restful to carry the paper right up to the ceiling and finish with a narrow border. Narrow borders, by the way, are used for every room in the house, and some very decorative designs which look as though done in water colors are to be had.

"Modern taste, I should say, tends toward the selection of small designs rather than large, and one rarely hears the criticism nowadays, 'I shouldn't like that pattern; it keeps on counting and counting.' This is puerile, of course; still to some highly nervous persons it is a real factor in the selection of wall papers. However, it seems to me anyone so highly strung should be in a sanitarium anyway, so that is hardly a point to be considered.

"Speaking of criticisms of wall paper, few persons now object to paper decorated with birds; but, even though there is a decline in the superstition, it hasn't altogether died out, and even in Boston I have found well educated and thoughtful persons who refuse to buy wall papers with birds, the common saying being that 'They fly away with your luck.' Some years ago when I was selling wall paper I very frequently said, 'I don't see how they can do that if they are well pasted on;' but while my customers enjoyed the remark the superstition remained.



"Another ancient legend that has been pretty well scotched is that about there being arsenic in wall paper. The Hub was also the source of that story, and thousands of samples of wall paper were sent to Harvard to come out with good or bad characters, all of which cost the dealers a lot of money.

"A very interesting change in the demand for color is taking place. I believe color means more to the average woman than it used to mean. Take mauve for example. Time was when no woman would dream of using mauve wall paper; now it is well liked and appreciated from a decorative as well as from a more personal viewpoint. It is soft, and becoming to most women, since it has both blue and pink in its composition.

"I am firmly of the belief that color is more important than form. Only recently I had an argument with a well-known architect on the subject, and he contended that form and proportion outweigh color. But just suppose you have an ill shaped room and an oddly assorted collection of furniture that you are obliged to use. By harmonious decoration the room and the furniture can be blended into a really satisfactory ensemble. On the other hand, even though the room was of good proportions and the furniture charming in outline if the coloring was atrocious the result would be anything but satisfying. Again, as an example, take the Cologne Cathedral and paint it a variety of colors; the walls pink, the columns blue and the capitals gold; what becomes of the form? No, I believe that color is the voice of things inanimate and can destroy form every time.

"One interesting thing about wall paper is that in the last ten years more individual thought has been displayed in the selection of appropriate wall paper than ever before. To-day a woman selects wall paper with reference to the height of the room, the size of her furniture and the atmosphere of the home generally. This means that people have improved in their taste and in this campaign of education I believe that the papers have played an important part, for there is, to my mind, just as much difference between imported and domestic papers as between good and poor paintings or a fine old mezzo tint and a lithograph.

"Take some of the Japanese papers which run in price up to \$30 and \$40 a roll. They are wonderful examples of the highest types of fine wall papers. The price seems exorbitant at first glance, but not when the wonderful details and the expense of making are considered. The work is all done by hand and time is not considered. The paper is strong and heavy, with marvelous lasting properties. The blocks or rollers on which the paper is printed are all hand carved, in-taglio fashion. After being dampened the paper is started on the roller while the operator with a brush beats the pulp into all the hollows and crevices, and in places where it is desired the design shall be more prominent extra bits of dampened paper are beaten in.

"As one length of the paper is printed—it

is made in seven yard strips—the ends are compactly beaten together. After twelve yards are finished the paper is laid over wooden benches in the open air to dry. It is afterwards taken to the decorating room and covered with a coating of lacquer. This work is generally done by girls. Then the color is applied by means of stencils, and as soon as one stencil is lifted a worker follows with a cloth and rubs off the gold for the high lights. This is the process pursued in making the more expensive papers, and while an extreme illustration, gives some idea of the painstaking effort used in producing fine hand work."

### TRUE ARCHITECTURE.

#### How Nature May Be Made an Accessory to Beautiful Design.

The thoughtful designer anticipates, in the way of ultimate effect, the resultant of natural causes.

"It is inconceivable that he should foresee all the effects that result from change of viewpoint, and from sunlight and shadow, or architectural form.

"The effects alone of light and shade are on too infinite a scale of gradation—vary with absolutely differential change of phase, kind, and order.

"They are, in fact, Nature's beatitude upon the handiwork of man. The traceried windows of the old village church alone are of interest; but tree-branch and leaf wave in the summer breeze and fitful light and shade dapple the old mullions, outline cusps, and flood with golden radiance the time-worn flooring. Something is added—an interest in the whole picture that was not ordained by the builders. The cathedral spire truly points heavenward.

"Its belfry windows are sombre and restful in midday glare. But there comes a time when April clouds race over the neighboring countryside, and light and shade, in ragged mass, chase one another up to the glittering weathercock. All such effect is accessory. It has a large and expansive value when compared with the interest of particular mould of cap and base.

"He, therefore, is wise who endeavors in some measure to forestall—to assist—natural secondary effect, and rather than overload with detail of his own conceit, seeks to spread out plain wall, arch and pillar, wooing Nature and the natural effects not inhering in the unassisted effort of worker in stone or marble.—"London Building News."

### GOOD QUALITY OF ROMAN CONCRETE.

That there was some standard specification used by the Roman army is claimed by A. T. Bolton in a recent paper before the Concrete Institute, London. In every part of the world it will be found that Roman methods are remarkably uniform. The great Roman fortress, one and a half miles from Sandwich, Eng., known as Richborough Castle, and covering several acres, is still surrounded by a great

Roman wall, one of the best preserved outside of Italy.

It was in this fortress that the Romans packed up on their departure from England. The walls there are about 30 feet high and 10 feet thick, and of great length. When the railways were being constructed the barbarians destroyed the wall which faced toward the sea in order to use the material for the purpose of the railway. They began to destroy the return wall to this sea front by excavating a great cavity at the base of the wall. It is more than high enough to walk into and it extends 8 feet 6 inches in depth, and so leaves only 18 inches of walling beyond. The span of that opening is about 50 feet. There is, therefore, a concrete girder, say, 20 feet in depth and 50-foot span and 8 feet 6 inches in thickness without the slightest sign of a crack. It has stood since the time, probably fifty or sixty years ago, when the cutting was made. In itself that is sufficiently wonderful, but consider of what the wall is constructed. So far as one can see, it is constructed of nothing but the materials on the spot. There are seen the gravel from the beach, flints from the chalk, and the rough class of half stone, any kind of inferior Kentish rag, which could be obtained near the spot, while the mortar binding these miscellaneous aggregates together appears to be made with the ordinary chalk or stone lime.

What is of especial interest, therefore, is what did the Romans mix with that mortar which transformed it into a material as hard as modern Portland cement? Because, inside this enormous wall, 10 feet thick, the setting and consequent hardness of the concrete are just as good as they are on the outside. That is contrary to experience with ordinary lime mortars.

When the Romans left England, something or other which had been mixed in concrete and mortar or some method of preparation was no longer used, and the Normans, attempting to erect buildings of the Roman character, made a fearful mess of it. Most of their central towers collapsed, owing to the mortar being bad, as it became like sand, and the piers collapsed in consequence. Whether the Romans carried about with their armies puzzolana or volcanic ash, or something equivalent to that in its effects, is not known, but it is a subject worthy of investigation by chemists and societies. To raise the level of the lime mortars, concretes and plasters in common use would confer a great benefit on the building trade of England, particularly in the country districts.

"I was going to place my order with Blank & Co.," writes an out of town subscriber, "but failing to find their advertisement in your pages, concluded that the firm was of small importance." The firm that bagged the order is comparatively new to the trade, but as a regular advertiser in the home trade paper was able to make an impression that all the accumulated prestige of the older house was unable to overcome. Moral: Advertise



## OVERHEAD EXPENSE IN CONSTRUCTION.

Due to the fact that overhead charges in construction work are not chargeable directly to a given job, and also because a builder thinks of his work as divided into separate jobs and does not group his work into a whole as does the merchant or retailer who thinks of his day's business and not of the individual sales which he has made, the item of overhead is very apt to be overlooked. Leonard C. Wason, of the Aberthaw Construction Company, Boston, relates, in this connection, the story of an old builder in Boston some years ago who used to open a new bank account each time he got a new job. He deposited all money received for the job in this bank and paid all bills from this account. When the work was completed the bank balance minus his original deposit showed him his profits; and according to his belief the addition of all such balances showed the profits of his business. This would have been true if he had not run a separate personal account from which he bought tools, paid office rent and other general expenses of the business. His method probably had the advantage over many builders' accounts, of employing accurate addition and subtraction, if it did neglect the items which are so commonly neglected.

## COMING CONCRETE GATHERINGS.

An encouraging sign for a large attendance at the Pittsburgh and the Chicago cement show is the fact that at the drawing for spaces more than 50 per cent. the total floor area in each exposition hall was reserved. This amount compares favorably with space secured in advance by exhibitors in former years.

Since the first allotment of space, a number of firms have secured locations and plans are generally being made for unusually elaborate displays. The management of the shows announces that the coming exhibits will, in all probability, exceed in value and attractiveness former shows at Chicago and elsewhere. The exhibitors as a class appear to represent the substantial and influential operators in the field, and there is every indication that the exhibits will be representative in every particular.

Active support of the Pittsburgh Chamber of Commerce and other civic organizations in Pittsburgh has been enlisted. The exhibitions are being widely advertised. In the neighborhood of 1,500,000 booklets will be sent out and the Cements Products Exhibition Company is utilizing full-page space in the cement industrial press.

Richard L. Humphrey, president of the National Association of Cement Users, which will hold its convention in Pittsburgh at the same time as the cement show, December 12-18, announces that the programs to be presented at the meetings will be of unusual interest and value. The N. A. C. U. has always proven a very strong drawing card in connection with

the cement shows, since its members are among the most alert and progressive of the men connected with the industry.

## FOUR-STORY BUILDING ON A SIXTEEN-FOOT LOT.

A builder in Pittsburgh, Pa., has solved the problem of utilizing a sixteen foot lot for a comfortable ten-room house. As the house stands on a terrace almost a story above the streets, it was simply a matter to turn what would ordinarily be the basement into a combination of first floor and basement.

The building sets back thirty-four feet from the front of the lot and measures fifty-one feet, six inches in depth, and the general impression given is that of a house twenty-five feet wide. Every inch of space is utilized, the big living room on the first, or the street floor, twenty-three feet long, extends under the front porch. Similar economical arrangements for the saving of space are shown throughout the entire construction. The house has an attractive appearance and is built of cream-colored face brick with stone trimmings and slate roof.

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Grab a horn, you cuss, and split  
Every echo with yer tootin'—  
Jump the roost  
An' boost  
A bit. —Exchange.

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He ought to be clerking in a bird store!  
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While it pays to think, it is thought in action that puts money in the bank.—Exchange.

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Giving you the personal gossip about men of note in the construction, architectural, material and engineering callings.

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The short cut to success in any line is to get your proposition before people likely to be interested in what you have to offer. In the building line "The Builders' Guide" supplies this "shortcut."

When you want to find the address of the man who "doesn't believe in advertising," don't look up a directory. Just ask the sheriff.

When you don't advertise nobody knows that you are doing business, and it won't be long before you'll not know it yourself.—Ex.

## AN EPITAPH.

Here lies the remains of Jonathan Wise,  
Who all his days schemed to devise  
A way to reap fortune's golden prize,  
And failed, 'cause he wouldn't advertise.

## REAL ESTATE TRANSFERS.

Summary for week ending November 16th, 1912:

Number of transfers.....	707
Amount of transfers.....	\$1,649,012.13
Cash consideration .....	434,912.13
Mortgage consideration .....	1,214,100.00
Ground rent consideration.....	1,603.75
Which on a six per cent. basis amounts to .....	26,729.18



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Artesian Well Drilling Co.,  
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Ridpath & Potter Co.,  
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F. Weber & Co., 1125 Chestnut st., Phila.

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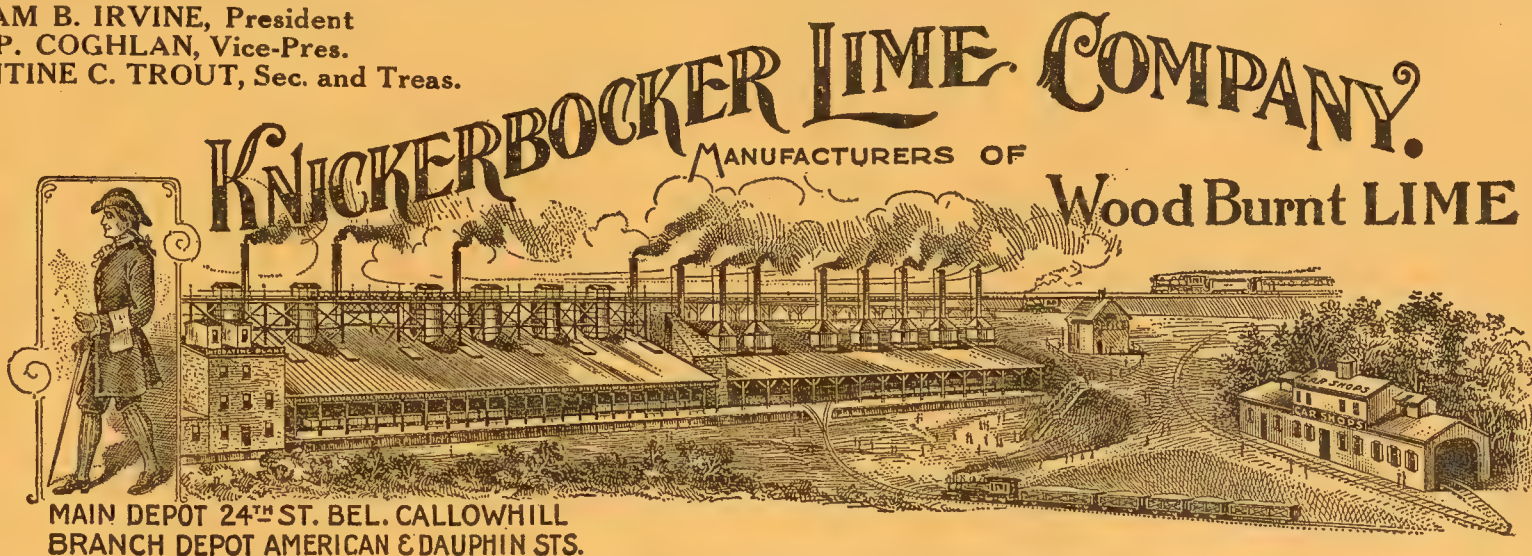
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Vol. XXVII., No. 48.

PHILADELPHIA, WEDNESDAY, NOVEMBER 27, 1912.

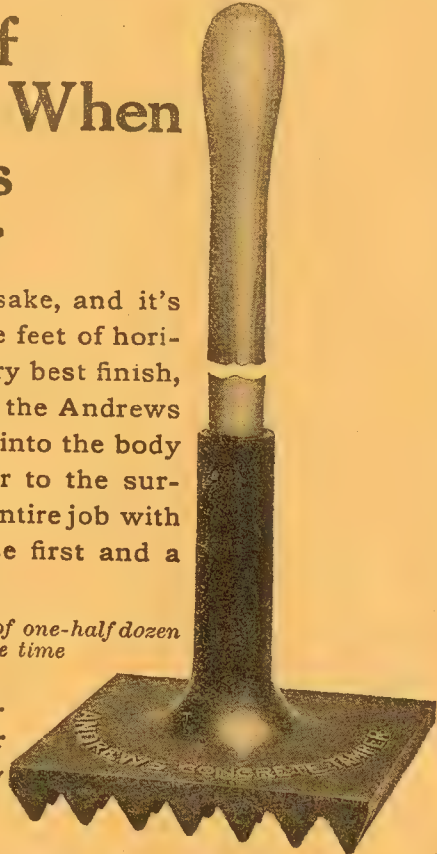
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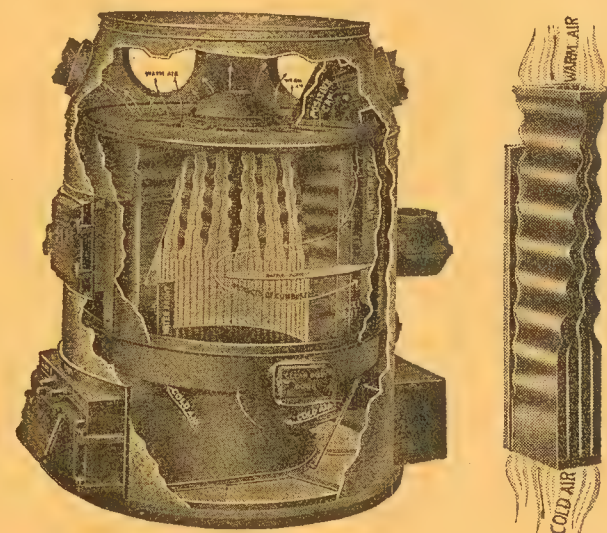
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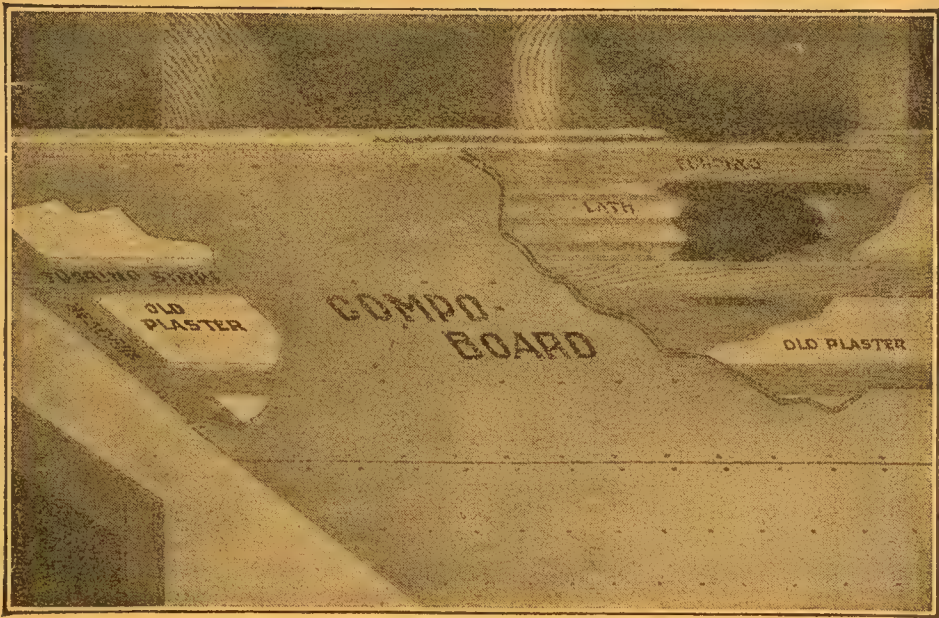


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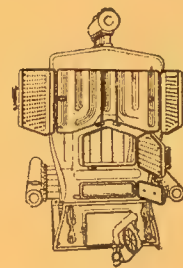
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**Church** (alt. and add.), Fifth street, below Lehigh avenue. Architect, Carl P. Berger, 1418 South Penn Square. Owner, St. Mark's Reformed Church. Rev. G. A. Scherr, 2404 North Sixth street. Granite, one story, 27x91 feet, electric light, steam heat. Architect taking revised bids, due November 27. The following are figuring: Burd P. Evans & Co., Thirteenth and Wallace streets; Harry Gill, Jr., 2200 Germantown avenue; F. L. Hoover & Sons, Builders' Exchange; A. Raymond Raff, 1635 Thompson street; H. P. Schneider, 3715 Old York road; Stewart Brothers, 2526 North Orkney street; Thomas C. Trafford, 1613 Sansom street; F. E. Wallace, 1210 Sansom street, and A. Whitehead, 1624 Latimer street.

**Armory** (alt. and add.), Phoenixville, Pa. Architect, Philip H. Johnson, Land Title Building. Owners, State of Pennsylvania, Battery "C." Brick and concrete, two stories, electric light. Owners have received bids.

**Residence** (alt. and add.), Seventeenth and Berks streets, \$3,000. Architects, Magaziner & Potter, 137 South Fifth street. Owners, Alex. Saltzer, 3112 Berks street. Brick and stone, three stories, electric light, steam heat. Architects are taking sub-bids.

**Factory**, Hazelton, Pa. Architects, Ballinger & Perot, 1211 Arch street. Owner, Jacob Gerhardt, Hazelton, Pa. Brick and concrete, two stories, 60x190 feet, electric light, slag roof. Architects have received bids.

**Residence**, Merchantville, N. J., \$10,000. Architect, J. C. Jefferis, 1001 Chestnut street. Owner's name withheld. Frame, two and one-half stories, 38x44 feet, slate roof, hot-water heating, hardwood floors. Plans in progress.

**Residence**, McCallum street and Lincoln drive, \$10,000. Architect, J. C. Jefferis, 1001 Chestnut street. Owner's name withheld. Stone, two and one-half stories, 40x45 feet, slate roof, hot-air heating, hardwood floors. Plans in progress.

**Factory**, Camden, N. J., \$50,000. Architect, J. C. Jefferis, 1001 Chestnut street. Owner, Camden Curtain and Embroidery Co., Camden, N. J. Brick, five stories, 65x105 feet, tin roof

(heating and electric work reserved). Architect taking bids, due November 27. The following are figuring: Irwin & Leighton, Twelfth and Cherry streets; J. E. & A. L. Pennock, Land Title Building; James W. Draper, 436addon avenue, Camden; George Bachmann, 19 North Thirtieth street, Camden; Turner & Stewart, 828 Broadway, Camden; Harry L. Foulkes, 566 Pine street, Camden.

**Factory** (add.), Bread and Arch streets. Architect, Valentine B. Lee, 1003 Spruce street. Owners, Berger Bros. Co., 237 Arch street. Brick, five stories, 31x65 feet. Tin roof. Architect taking bids, due December 1. The following are figuring: A. P. Fraim, 319 Market street; John Morrow, Oak Lane, Philadelphia; John R. Wiggins & Co., Heed Building; George & Borst, 277 South Eleventh street; H. H. Burrell, 1204 Chancellor street; J. Richard Jackson, Perry Building, and George F. Pawling & Co., 1400 Vine street.

**Building** (alt.), Fifth and Chestnut streets. Architects, Harris & Richards, Drexel Building. Owner, Drexel Building. Brick and stone, ten stories, consists of metal windows and fireproof partitions. Architect taking bids, due December 2. The following are figuring: George & Borst, 277 South Eleventh street; H. E. Grau Company, 1707 Sansom street; H. H. Burrell, 1204 Chancellor street, and A. Raymond Raff, 1635 Thompson street.

**Church** (alt.), Seventh street and Montgomery avenue. Architects, Heacock & Hokanson, Bailey Building. Owner, St. Luke's Lutheran Church. Rev. John W. Horine, 1909 North Twelfth street. Stone, one story, 67x80 feet, slag roof, electric light (heat, reserved). Architects taking bids, due November 29 (revised). The following are figuring: F. B. Davis, 35 South Seventeenth street; George L. Sipps, 911 Locust street; W. H. Eddleman, 453 Green lane; F. A. Havens, 845 North Nineteenth street; A. Raymond Raff, 1635 Thompson street, and Frank I. Wintz, 1618 North Twenty-seventh street.

**Store Building** (add.), Baltimore, Md. Architects, Goodwin, Starrett & Van Vleck,

New York City. Owners, Stewart Bros., Baltimore, Md. Brick and terra cotta, 9 stories, 83x201 feet, electric light, steam heat, elevators, tile and slag roof. Architects have received bids.

**Residence**, Ventnor, N. J. Architects, Druckenmiller, Stackhouse & Williams, Land Title Building. Owners, E. H. Voorhees, Ventnor, N. J. Stone and plaster, three stories, 22x35 feet, tile roof, electric light, hot-water heat, hardwood floors. Plans in progress.

**Residence** (alt. and add.), 6025 Overbrook avenue, \$10,000. Architect, Horace Trumbauer, Land Title Building. Owner, Frederick T. Chandler, 1338 Chestnut street. Stone, three stories. Consists of rear addition and interior alterations, hardwood floors, steam heating, extension, etc. Plans in progress.

**Residence**, Islesboro, Maine. Architects, Evans, Warner & Register, Witherspoon Building. Owner, Dr. Samuel G. Dixon, 1900 Race street. Stone and frame, two and one-half stories, 40x65 feet, shingle roof, electric light, hardwood floors, four bath rooms. Plans in progress.

**Residence and Garage**, Elkins Park, Pa., \$30,000. Architect, Horace Trumbauer, Land Title Building. Owner, Sidney F. Tyler, Land Title Building. Stone, two and one-half stories, 66x33 and 44x24 feet, shingle roof, red oak floors. Makin-Kelsey heater for house and hot-water heat for garage. Architect taking bids, due November 30. The following are figuring: B. Ketcham's Sons, 1029 Brown street; George F. Payne & Co., 401 South Juniper street; Milton W. Young, Overbrook, Pa., and Enry Specht, Jr., Willow Grove, Pa.

**Moving Picture Theatre**, Twenty-third and South street. Architect, M. H. Dickinson, 1524 Chestnut street. Owner, Cornelius Christiansen, 3016 Oxford street. Brick, fireproof one story, 50x90 feet, slag roof, electric light (heat reserved). Architect taking bids, due November 27. F. Roe Searing, Perry Building, is figuring.

**Fire House**, Huntingdon Valley, Pa. Architects, private plans. Owners, Huntingdon

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**Moving Picture Theatre**, Franklin and Clearfield streets. Architects, Anderson & Haupt, Drexel Building. Owners, Philadelphia Film Exchange, 121 North Ninth street. Plaster, one story, 54x66 feet, slag roof, electric light (steam heat, reserved). Architects taking bids, due November 22. P. J. Hurley, 1233 Cherry street, is figuring.

**Residence**, Wallingford, Pa. Architect, Almer C. Howard, 925 Chestnut street. Owners, Trustees of Wallingford Presbyterian Church. Plaster, two and one-half stories, 34x44 feet, shingle roof, hot-air heat, electric light. Arch-

itect taking bids, due November 27. The following are figuring: R. C. Ballinger & Co., 218 North Thirteenth street; J. J. Worrelow, Media, Pa.; Baker Brothers, Media, Pa.; J. B. Flounders, 1329 Arch street; M. W. Wowrer, Merion, Pa.; H. Walton, Moylan, Pa., and E. R. Palmer, Wallingford, Pa.

**Picture Theatre (add. and alt.)**, Twenty-second and Berks streets. Architect, private plans. Owner, M. S. Maloney, 2126 North Twentieth street. Brick, one story, 43x60 feet, electric light, steam heat, slag roof. Owner has received bids.

**Residence**, Lannanuet, N. Y. Architect, F. A. Hayes, 1524 Chestnut street. Owner, William Rickey, Lannanuet, N. Y. Stone, three stories, 50x60 feet, shingle roof, electric light, steam heat, hardwood floors. Plans in progress.

**House of Correction**, Bridwell, Md. Architect, Theodore Wells Pietsch, Baltimore, Md. Owner, State of Maryland. Brick, granite, two stories, slate and slag roof, electric light, steam heat, elevators. Owners taking bids, due December 2. Metzger & Wells, Heed Building, are figuring.

**Warehouse**, 308 to 314 Master street. Architect, private plans. Owner, B. Bernheim & Sons, 1401 North Third street. Brick, three stories, 60x60 feet, slag roof (heat and light, reserved). Owner taking general and sub-bids, due November 27. The following are figuring: Stacey Reeves & Sons, 1607 Filbert street; P. J. Hurley, 1233 Cherry street; Ed. Fay & Sons, 1521 Ranstead street.

**Factory (add.)**, Eleventh and Wood streets. Architect, William Lowenthal. Owner, Thos. Savill & Sons, Eleventh and Wood streets. Brick, two stories, slag roof, electric light (heat, reserved). Owner taking bids, due November 27. The following are figuring: Harrison C. Rea, 1021 Wood street; Joseph Bird & Co., 213 North Eleventh street; Lam Building Company, 1001 Wood street.

**Fence**, Broad and York streets. Architect, Pileher & Tachau, New York. Owner, Dropsie College, Broad and York streets. Consists of iron fence and limestone pillars. Architects taking bids. Charles McCaul Co., Tenth and Sansom streets, is figuring.

**Y. M. C. A. Building**, Atlanta, Ga. Architects, Shattuck, Hussey & Brown, Atlanta, Ga. Owners, Y. M. C. A., Atlanta, Ga. Brick, limestone, terra cotta, fireproof, ten stories, 113x158 feet, slag roof, interior marble, elevators (heat and light reserved). Owners taking bids, due December 16th. The following are figuring: Metzger & Wells, Heed Building, and Charles McCaul, Tenth and Sansom streets.

**Boiler House (alt. and add.)**, Thirty-first and Jefferson streets. Architect, Charles H. Caspar, West End Trust Building. Owners, F. A. Poth & Sons Brewing Company, on premises. Brick, two stories, slag roof, electric light. Architect taking bids, due November 27th. The following are figuring: Stacey Reeves & Sons, 1611 Filbert street; George & Borst, 277 South Eleventh street; W. E. Dotts & Co., 148 North Second street; A. Raymond Raff, 1635 Thompson street; E. J. Kreitzburg, 1345 Arch street; F. I. Wintz, 1618 North Twenty-seventh street.

**Apartments (alt. and add.)**, 4204-10 Parkside avenue. Architect, Charles H. Caspar, West End Trust Building. Owner, F. A. Poth Estate, 4208 Parkside avenue. Brick and stone, four stories, electric light, slag roof, steam heat. Architect taking revised bids, due November 29th. The following are figuring: Stacey Reeves & Sons, 1611 Filbert street; George & Borst, 277 South Eleventh street; W. E. Dotts & Co., 148 North Second street; A. Raymond Raff, 1635 Thompson street; E. J. Kreitzburg, 1345 Arch street; F. I. Wintz, 1618 North Twenty-seventh street.

**Creamery**, Mt. Pleasant, Del. Architect,

Oliver Randolph Parry, 1723 Chestnut street. Owner, Wills-Jones-McEwen Company, 1202 Montgomery avenue. Reinforced concrete and galvanized iron, 32x70 feet, corrugated iron roof. Architect is taking sub-bids.

**Factory (alt. and add.)**, Cly, Pa. Architect, George C. Baum, 1828 Wallace street. Owners, American Phosphorus Company, Third and Dauphin streets. Brick, two stories, 36x133 feet, slag roof, electric light. Architect taking bids, due November 28th. F. B. Davis, 35 South Seventeenth street, is figuring.

**Building (alt. and add.)**, 200 South Fifteenth street. Architects, Bailey & Bassett, 421 Chestnut street. Owner's name withheld. Brick, three stories, steam heat (electric light reserved). Consists of interior alterations and additions. Architects have received bids.

**Church**, Sixth and Cheltenham avenue, Oak Lane, Pa. Architects, Ballinger & Perrot, 1211 Arch street. Owners, Oak Lane M. E. Church, on premises. Stone, one story, 44x57 feet, electric light, hot air heat, slate roof. Architects taking bids, due December 2nd. The following are figuring: T. C. Trafford, 1613 Sansom street; H. H. Burrell, 1204 Chancellor street; A. Whitehead, 1624 Latimer street; H. E. Baton, Tenth and Sansom streets; F. L. Hoover & Sons, Builders' Exchange; H. C. Rea, 1021 Wood street; B. Ketcham's Sons, 1029 Brown street.

**Bank and Office Building**, Lynchburg, Va. Architects, Steim & Fellheimer, New York City. Owners, People's National Bank Building, Lynchburg, Va. Brick and terra cotta, limestone trimmings, eleven stories, 48x128 feet, elevators, electric light, steam heat, slag roof, granite, marble interior. Owners taking bids, due December 4th. Metzger & Wells, Heed Building, are figuring.

**Building**, Fifth and Chestnut streets (alts.). Architects, Harris & Richards, Drexel Building. Owner, Drexel Building, on premises. Brick and stone, ten stories. Consists of metal windows and fireproof partitions. Architects taking bids, due December 2nd. In addition to those previously reported, Stacey Reeves & Sons, 1611 Filbert street, are figuring.

**Fire House**, Cheltenham and Germantown avenues. Architect, Carl B. Zelinziger, City Hall. Owners, City of Philadelphia. Granite, marble, interior and exterior, brick, hydraulic pressed Sayre & Fisher enamel, three stories, 37x71 feet, electric light, hot water heat, slag roof. Owners taking bids, due November 29th at 12 o'clock. The following are figuring: J. W. Emery, 1524 Sansom street; J. G. Doak & Co., Crozer Building; Burd P. Evans, Thirteenth and Wallace streets; Wayne Contracting Co., 1214 Filbert street; Ed. F. Fonder, Land Title Building; Mitchell Brothers, 2125 Race street; A. Bottoms & Sons Co., 41 South Fifteenth street; George & Borst, 277 South Eleventh street; Ed. Fay & Sons, 1521 Ranstead street; H. E. Baton, Tenth and Sansom streets; Thomas T. Twibill, Franklin Bank Building; H. H. Wehmeyer, 1004 West Lehigh avenue; E. H. Sturts, 2614 Ridge avenue; J. H. Jordan, Thirty-first and Oxford streets; F. Elvidge & Sons, 5522 Germantown avenue; Pringle Borthwick, 8812 Germantown avenue; Samuel Harting, 20 East Johnson street; E. C. Durell, 1713 North Twenty-fourth street.

**Store and Loft Building**, Twelfth and Vine streets. Architect, Charles E. Oelschlager, Harrison Building. Owner's name withheld. Brick, three or four stories, slag roof, steam heating. Plans in progress. Architect will take bids in a few days.

**Hotel**, central part of city. Architect, Ralph E. White, Pennsylvania Building. Owner's name withheld. Brick and steel, fireproof, seven stories, 30x80 feet. Plans in progress.

**Residence**, Ashbourne, Pa. Architects, Heacock & Hokanson, Bailey Building. Owner, W. Griepenkerl, Ashbourne, Pa. Plaster, two and one-half stories, 20x53 feet, shingle roof,



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**Factory**, Hazleton, Pa. Architects, Ballinger & Perrot, 1211 Arch street. Owner, Jacob Gerhardt, Hazleton, Pa. Brick and concrete, two stories, 60x190 feet, electric light, slag roof. Architects taking bids, due December 2nd. (Note change in date.)

**Garage**, Gibbsboro, N. J. Architects, Ballinger & Perrot, 1211 Arch street. Owner, John Lucas & Co., 322 Race street. Brick, one story, 41x48 feet, slag roof, electric light, steam heat. Revised plans in progress.

**Church and Parish House**, Bridgeton, N. J. Architects, E. F. Durang & Sons, Twelfth and Chestnut streets. Owner, Church of the Immaculate Conception, care of Rev. A. D. Hassett, Bridgeton, N. J. Stone, one story, 48x100 feet; rectory, stone and plaster, two and one-half stories, 41x41 feet, slate roof (electric light and steam heat reserved). Architects taking bids, due November 30th. The following are figuring: W. E. Allen, Vineland, N. J.; W. S. Souden, Bridgeton, N. J.; James D. Pasquale, Vineland, N. J.; John McShain, 631 North Seventeenth street; W. J. McShane, 417 South Thirteenth street; J. Myers & Sons, Witherspoon Building; M. L. Conneen & Co., 315 South Twentieth street; William R. Dougherty, 1608 Sansom street.

**High School**, Georgia avenue and Howard place, Washington, D. C. Architects, Ashford & Dessey, Washington, D. C. Owners, District Commissioners, Washington, D. C. Brick and stone, four stories, 100x229 feet (heat and light reserved), limestone and granite, interior marble, red face and enamel brick, fireproof, hollow tile and concrete, slate and slag roof. Owners taking bids, due December 6th at 2 P. M. James G. Doak & Co., Crozer Building, Philadelphia, are figuring.

**Church and Parish House**, Sixth and Spring Garden streets. Architects, Anderson & Haupt, Drexel Building. Owner, St. Michael's Greek Catholic Church, care of Rev. Vasil Hynah, 451 North Ninth street. Stone, one story, 55x100 feet; parish house, 25x55 feet. Slate roof, electric light. Plans in progress.

**Factory**, Clearfield, Pa. Architects, Ballinger & Perrot, 1211 Arch street. Owner, Andre Martin, Clearfield, Pa. Brick, one story, 180x201 feet, electric light, steam heat, asbestos shingle roof. Architects taking bids,

due December 2nd. The following are figuring: John Chaplin, Ashley Rishel, J. D. Shokes & Sons, M. A. Luken and Grant Butler, all of Clearfield, Pa.; P. W. Finn, Altoona, Pa.; James Stewart & Co., Pittsburgh, Pa.; Beard Construction Co., Reading, Pa.; F. H. Keiser & Co., Pottstown, Pa.

**Residences (2)**, Clearfield, Pa. Architects, Ballinger & Perrot, 1211 Arch street. Owner, Andre Martin, Clearfield, Pa. Brick, limestone trimmings, three stories, 16x49 feet, electric light, slate roof, steam heat. Architects taking bids, due December 2nd. The following are figuring: John Chaplin, Ashley Rishel, J. D. Shokes & Sons, M. A. Luken and Grant Butler, all of Clearfield, Pa.; P. W. Finn, Altoona, Pa.; James Stewart & Co., Pittsburgh, Pa.; Beard Construction Co., Reading, Pa.; F. H. Keiser & Co., Pottstown, Pa.

**School**, Mt. Ephraim and Jackson streets, Camden, N. J., \$100,000. Architects, Moffett & Stewart, Camden, N. J. Owners, Board of Education, Camden, N. J. Brick, two stories and basement, 112x150 feet. Plans in progress. Too early for details.

**School**, Mt. Carmel, Pa., \$75,000. Architect, Clyde Adams, 1233 Arch street. Owners, Board of Education, Mt. Carmel, Pa. Brick and stone, two stories, 120x140 feet, slag roof, electric light, steam heat. Plans in progress.

**School**, Fifty-eighth and Willow avenue (add.). Architect, J. Horace Cook, Land Title Building. Owners, Board of Education, Land Title Building. Stone, three stories, six divisions, electric light, steam heat. Owners taking bids, due December 6th at 2.30 P. M. The following are figuring: B. Ketcham's Sons, 1029 Brown street; David Peoples, Fidelity Building; H. H. Wehmeyer, 1004 West Lehigh avenue; Sax & Abbott, Hale Building; H. E. Baton, Tenth and Sansom streets.

**School**, Third and Mifflin streets. Architect, J. Horace Cook, Land Title Building. Owners, Board of Education, Land Title Building. Brick, limestone and terra cotta, fireproof, four stories, 112x279 feet, slate and slag roof, electric light, steam heat, enamel brick. Owners taking bids, due December 6th at 2.30 P. M. The following are figuring: Cramp & Co., Denckla Building; B. Ketcham's Sons, 1029 Brown street; H. H. Wehmeyer, 1004 West Lehigh avenue; Sax & Abbott, Hale Building.

Architect, private plans. Owner, Dr. G. B. Massey, 1831 Chestnut street. Brick, three stories, consists of alterations and addition for private sanitarium. Contract awarded to Alex. Chambloy, 243 South Tenth street.

**Office**, 606 North American street. Architect, private plans. Owner, B. B. S. Brewing Company, 606 North American street. Brick, one story, 23x99 feet, slag roof (electric light and heat, reserved). Contract awarded to Philip Haibach Contracting Company, Twenty-sixth and Thompson streets.

**Factory (add.)**, Camden, N. J. Architect and engineer, J. O. Clark, Franklin Building. Owners, MacAndrew & Forbes Company, Camden, N. J. Brick and steel, one story, 63x84 and 65x46 feet, slag roof. Consists of cooling and case house. Contract awarded to J. S. Rogers, Moorestown, N. J.

**Residence (alt. and add.)**, Haverford, Pa. Architect, Horace Wells Sellers, Stephen Girard Building. Owner, Boyd Lee Spahr, Land Title Building. Stone and timber, three stories. Contract awarded to F. L. Hoover & Sons, Builders' Exchange.

**Residence**, Glen Summit, Pa., \$14,000. Architect, Guy King, 1513 Walnut street. Owner, Miss J. A. Shoemaker, Wilkes-Barre, Pa. Stone and frame, two and one-half stories, 20x50 feet; wing, 18x20 feet, shingle roof, hot air heat, electric light. Contract awarded to Sax & Abbott, Hale Building.

**Residences**, Cynwyd, Pa., \$9,000. Architects, Savery, Scheetz & Savery, St. Girard Building. Owner, Charles D. Mower, Lafayette Building. Stone, two and one-half stories, 41x25 feet and 20x16 feet, slate roof, hardwood floors (electric light and heat reserved). Contract awarded to Mowrer Bros., Merion, Pa.

**Residence**, Merchantville, N. J., \$15,000. Architect, A. H. Moses, 136 South Fourth street. Owner, Harold Bottomley, Merchantville, N. J. Hollow tile and plaster, two and one-half stories, tile roof, hot water heating, electric lighting, hardwood floors. Contract awarded to W. A. Richman, Moorestown, N. J.

### Permits for New Buildings

H. McDonald (O), Ripka avenue and Umbria street. J. J. Hurley (C), 503 East Monts-tery avenue. Cost, \$2,300. Dwelling, brick, two stories, 16x44 feet, 261 Hermitage street.

E. E. Sloan (O), Tioga and D streets. Joseph Bird & Co. (C), 213 North Eleventh street. Cost, \$11,000. Factory, brick, one and three stories, 49x159 feet, Tioga and D sts.

State Realty Co. (O), 520 Walnut street. Cost, \$23,000. Apartment house, brick, three stories, 32x44 feet, Forty-fourth and Moravian streets. Cost, \$30,000. Apartment house. Cost, \$20,000. Apartment house. Cost, \$25,000. Apartment house.

W. B. Schrock (O), Chestnut Hill, Pa. Cost, \$2,300. Two dwellings, brick, two stories, 15x26 feet, Germantown, Pa.

B. C. & J. S. Miles (O), 5447 Ridge avenue. Cost, \$4,000. Two dwellings, brick, two stories, 14x41 feet, Lexington avenue and Baker street.

Joseph McKinley (O), 3335 North Fifth st. F. A. Friend (C), Front street and Allegheny avenue. Cost, \$1,200. Garage, two stories, brick, 23x50 feet, Second and Tioga streets.

Paul Nauman (O), 3472 Frankford avenue. Cost, \$1,300. Dwelling, brick, two stories, 14x30 feet, Mercer and Tioga streets.

J. M. Branagan (O), 557 Erie avenue. Cost, \$45,900. Twenty-seven dwellings, brick, two stories, 15x25 feet, Franklin and Hunting Park avenue. Cost, \$2,500. One dwelling.

L. H. Serberlich (O), Fifteenth and Arch

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Hospital**, Chestnut Hill, Pa. Architects, Duh-ring, Okie & Zeigler, Bailey Building. Owners, Chestnut Hill Hospital for Consumptives. Plaster and hollow tile, two stories, 32x52 feet, slate roof, electric light, steam heat. Contract awarded to F. B. Davis, 3g South Seventeenth street.

**Stores and Apartments (alt. and add.)**, 4902-04 Baltimore avenue. Architect, C. E. Rahn, 410 Walnut street. Owners, Rittenhouse Brothers, Fifty-second street and Ha-

zel avenue. Red face brick, granite, two stories, slag roof (heat and electric light, reserved). Contract awarded to Joseph Levin Co., 1530 South Sixth street.

**Apartment (alt. and add.)**, 1004 North Nineteenth street, \$9,000. Architect, H. B. Ward, Witherspoon Building. Owner, J. H. Sloan, 1531 Norris street. Brick, four stories, electric light, slag roof. Contract awarded to C. R. Strode, 1219 North Nineteenth street.

**Residence (alt.)**, 1825 Wallace street, \$3,000.



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streets. Bowers & Logan (C), 2010 Chancellor street. Cost, \$1,600. Dwelling, brick, 16x36 feet, two stories, Magnolia avenue and Price street. Cost, \$84,000. Six dwellings, brick, 16x36 feet, two stories, Magnolia avenue and Price street. Cost, \$2,800. Two dwellings.

R. Van Fossen (O), Eighty-sixth street and Holstein avenue. R. R. Heath (C), Eighty-seventh street and Ashmead avenue. Cost, \$3,000. Two dwellings, brick, two stories, 16x36 feet, Eighty-sixth street and Holstein avenue.

Y. Solomon (O), 3944 Girard avenue. Cost, \$3,500. Store and dwelling, brick, 16x44 feet, three stories, Seventh and Tree streets.

Thomas M. Kennedy, Jr. (O), 1001 Chestnut street. Frederick Kennedy (C), B and Myer streets. Cost, \$1,800. Storage, brick, two stories, 12x63 feet, 3045 Boudinot street.

Berg Brothers (O), Eleventh and Market streets. Cramp & Co. (C), Denckla Building. Cost, \$200,000. Department store, brick, eight stories, 78x92 feet, Eleventh and Commerce streets.

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## Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

\*\*Announcement has been made of several important changes in the personnel of the traffic, advertising and sales departments of the Lehigh Portland Cement Company, Chicago, Ill. F. E. Paulson, formerly Western sales manager, becomes general traffic manager. H. M. Scott, formerly assistant, succeeds to the post of Western sales manager. S. B. Chittenden, Jr., former advertising manager, has been made assistant sales manager, while W. A. Davis and J. B. Mackenzie become respectively Eastern and Western advertising managers, the former with headquarters in Allentown, Pa. W. F. Clark is assistant general traffic manager.

\*\*Concrete contractors in Indiana will be interested in the announcement of the organization and equipment for active operation of the Lake Cicotte Sand and Gravel Company, at Logansport, Ind., of which H. E. Blasingham is president and manager.

\*\*Herman Nieter, recently general sales manager of the Kennicott Company, of Chicago, Ill., is now associated with the Blaw Steel Construction Company, of Pittsburgh, Pa., being located at the company's Eastern office, 165 Broadway, New York City. Mr. Nieter was for four years New York agent for the Hammond Iron Works, of Warren, Pa., previous to which he was connected with the engineering department of Westinghouse, Church, Kerr & Co. and J. G. White & Co.

\*\*The Aquabar Company of Philadelphia has moved its general office from Ninth and Oxford streets to the Pennsylvania Building, now occupying the thirteenth floor of that structure. Joseph F. Stevens, general manager, declares that they are in a better position to supply the trade of their new offices than they have ever been before. "Aquabar" is a waterproofing compound which is diluted in the water used in mixing cement.

\*\*Montross Metal Shingle Company, Camden, N. J., are now filling a large Government contract for their Victor Metal Shingles and other roofing sundries, which are being shipped to the Western States for the Department of Commerce and Labor for the Bureau of Fisheries.

\*\*Building reports completed for the month

of October for the Pittsburgh district show a marked decrease over the reports of September, 1912, so far as financial value is concerned. In 1911 a building permit was issued for the construction of the 25-story First National Bank Building, the last skyscraper to be erected in that city, at a value of over a million dollars. This year, however, the smallest home construction exceeded the records of October a year ago. Of the new buildings issued in October, 98 were of brick construction, and this new business was felt by the brick manufacturers in the Pittsburgh district.

\*\*From information obtainable at this writing, it is generally believed that the annual banquet of the Builders and Contractors' Club of Pittsburgh will be held December 19 under the direction of the Builders' Exchange. The Manufacturers and Contractors' Club will also take part in this event, which, of course, includes the builders' supply trade. Inasmuch as the big cement show is to be held in that city at the time, quite a number of out-of-town builders and contractors will be asked to join with the Pittsburgh builders at the festal board. The coming banquet will be the largest of its character ever given by the builders' supply trade of the Pittsburgh district.

\*\*Jobbers and agents of large cement manufacturing concerns located in the Pittsburgh district have just been advised that the New Jersey Portland Cement Company recently purchased the mine and plant known as the Freeman mine, located near Gouverneur, in the tale belt of the United States Tale Company. The general offices of the company are at Amboy, N. J.

\*\*The Horwell Brick Company, of East Liverpool, O., which took over the brick manufacturing plant in that city of Hill & Wallace, has started the manufacturing of a white face building brick—the first of the character that has ever been made in that section of the State. A new vein of clay has been discovered which is said to equal the Kittanning vein, and this clay is being used in the new line. The plant is under the management of Harry Horwell, a well-known clay expert.



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**THE FRANKLIN PAPER CO., Inc., 718-720 Cherry Street, Phila.***Distributing Agents***LARGE AMOUNT OF LIME BURNED IN 1911.**

The production of lime in the United States in 1911, according to a report by Ernest F. Burchard, just issued by the United States Geological Survey, was 3,392,915 short tons, valued at \$13,689,054, as compared with 3,505,039 in 1910. This represents a decrease in quantity of 113,039 tons and in value of \$398,985. The average price a ton in 1911 was \$4.03, as compared with \$4.02 in 1910, an increase of 1 cent a ton. The total number of producers reporting in 1911 was 1,089, as compared with 1,126 in 1910, a decrease of 39. The decrease in the number of producers was due partly to the inactivity of small kilns operated by farmers for burning lime for local use as a soil stimulant and partly to the tendency of the industry toward concentration of plants into fewer and larger units. The heaviest decrease in the number of producers was in Pennsylvania, West Virginia and Wisconsin. A few States, among them Texas and Washington, showed an increase in the number of producers. In 1911 44 States, including Hawaii and Porto Rico, reported the production of lime; in 1910 lime was produced in 43 States.

The leading States in 1911 were, in order of production, Pennsylvania, Ohio, Wisconsin, West Virginia and Missouri. Pennsylvania produced 841,723 short tons, valued at \$2,688,374, the average price being \$3.19 a ton. There were 551 active producers in Pennsylvania, including farmers who produced only a few hundred bushels each for fertilizer. The Pennsylvania production represented a decrease in quantity of 35,991 short tons, but an increase in value of \$248,024, as compared with 1910, the price increasing 41 cents a ton. In Ohio 405,562 short tons were reported in 1911, valued at \$1,607,524, a decrease in quantity of 9,723 short tons and in value of \$39,811. In 1911 Wisconsin produced 250,638 short tons, made from native rock, valued at \$961,558, besides some lime burned from stone imported from other States. The stone imported from other States was mainly high-calcium limestone, the lime from which was used by beet-sugar refiners. West Virginia produced 179,966 short tons of lime in 1911, valued at \$536,660, an increase in quantity of 89,547 tons and in value of \$262,455. In 1911 Missouri produced 158,368 short tons of lime, valued at \$722,563, a decrease as compared with 1910 of 21,182 tons in quantity and \$123,560 in value.

The production of hydrated lime in 1911 was 304,593 short tons, valued at \$1,372,057, an average price of \$4.50 a ton, as compared with 320,819 short tons, valued at \$1,288,789, or an average price of \$4.02 a ton, in 1910.

**CEMENT BUSINESS SITUATION.**

From a business point of view, the cement industry has a stronger footing and a brighter outlook to-day than for several years past. Leading Eastern manufacturers have advanced the price per barrel to \$1.58 at New York and 90 cents in bulk at the mill, as against \$1.28 and 60 cents, respectively, a year ago; and there has been a steady increase in consumption since the early part of the year. Moreover, there is no longer heard the cry of overproduction, which did so much in the past few years to keep the market in a depressed state. It is an entirely different story now. Consumption has practically caught up with output at various points, while there is a reported scarcity in the West.

A representative of one of the big companies, whose capacity is more than 5,000,000 barrels per annum, said:

"There is a more active market for cement all over the country. In the West, there is an actual scarcity. Heavy construction work is under way in many places.

"To be sure, higher costs have helped along the advance. Labor is commanding better pay than ever before, and you might say that everything else that enters into the making of cement has played a part in the upward revision in the market that has been experienced during the past several months.

"Besides, there has been a pronounced improvement in the conditions surrounding the industry abroad. It has been particularly so in Germany and England, where they are finding it difficult to ship cement out of those countries on order, because the home industry is taking more than they can make."

Another authority said:

"In connection with the decided change for the better in our industry, many contracts unfortunately were made through lack of foresight by certain cement mills, on which they still have to deliver throughout the year some cement at the old prices, which were actually below cost. But these are rapidly being filled, and the expectation is for higher prices next year than have prevailed for ten years.

"A most important thing for the buyers to consider is the threatened car shortage, which, in fact, is having a serious effect. The big railroads gave warning of this; but it was not given sufficient consideration, with the result that some companies are several hundred cars behind orders at this time, and are being urgently pressed for delivery to keep contracts under way and to prevent loss from forced shutdown."—Cement World.

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The very best work that an ambitious tradesman can do is in what are commonly known as "bad years." In such years it will be found that a large number let up in their efforts. They reduce their force of salesmen or workmen. They retrench in catalogue advertising and circular work. They send out fewer samples. Sales managers do not keep after their salesmen. Excuses for a decrease in sales are accepted as a matter of course. A general lassitude prevails throughout the house, from the president clear down to the office boy. The answer to everything is, "Times are dull." When the competitors of a live, energetic house are in this frame of mind, then is just the time to put on more steam, push harder for business, work the territory more carefully and intelligently, and not be satisfied with the mere statement from salesmen that trade is dull. In other words, the cure for the trouble is simply—Hustle!—Cement World.

**STRENGTH OF CEMENT MORTARS.**

A paper read before the International Association for Testing Materials, by E. Candlot, of Paris, France, on "Progressive Increase in Strength of Cement Mortars," offers some suggestions worthy of careful thought.

"It is generally admitted that the strength of cement mortars should exhibit a constant progressive increase, and that if the strength is found to have diminished at the end of several days or weeks, this behavior is a sign of inferior quality in the cement used. The so-called diminutions of strength are generally found in the case of cements of very high initial strength. These cements attain to nearly their maximum strength in a very short time, whereupon the fluctuations in strength, due to imperfections in the preparation of the test pieces, show up in a very decided manner.

"This circumstance seems to favor the argument of constant progressive increase; but the answer to this is that if one cement attains a certain strength in 7 days, whereas another cement will not attain this strength until the end of six months or a year, it is impossible to understand why the former should be inferior to the latter.

"When one has tested a very large num-



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ber of cements and over long periods, it is found that, excluding inferior products, the strength of all cements is practically the same at the end of one or two years, whether the initial strength was high or not. Hence there is no reason for viewing with suspicion cements which exhibit considerable hardness between the limits of 7 and 28 days. In fact, these cements should be preferred, because the work for which cement mortar is used requires the highest possible strength in a very short time. It is precisely against the production of such cements that the clauses of the specifications have operated. In fact, the manufacturer, to avoid the risk of rejection, seeks to produce cements of low strength.

"The importance still attached to progressive increase of strength is due to the fact that the cement was formerly mixed with sea water, the test pieces being also stored in salt water. Under these conditions considerable diminutions in strength were frequently observed, more particularly in proportion as the cement increased in quality and fineness.

"During a long period, this apparent diminution in strength was regarded as dangerous—an impression still retained in some technical quarters. It has, however, been recognized that these diminutions in strength bear no relation to the intrinsic quality of the cement. The author has found cements that were manifestly in a state of decomposition but continued to exhibit very constant increases in strength for several years. On the other hand, some very well calcined cements of perfect composition gave very considerable decreases in strength between 28 days and 3 months, and even between 7 days and 28 days.

"The reason is because the crystallization of the salts in the cement proceeds more actively in sea water than in fresh water; and under the influence of this crystallization the cement paste becomes fragile, breaking like glass. Mortars, however, do not decrease in strength, thus proving that there is no alteration in the cement.

"At present, tests on cement are always performed by the aid of fresh water, and decreased strength no longer comes into question. Hence the author expresses the desire that all clauses insisting on an increase in strength between the 7th day and the 28th day should be omitted from specifications in the future."

## EXPANSION AND CONTRACTION OF CONCRETE.

Although it is understood in a general way that concrete, upon hardening in the air, exhibits shrinkage, and that when kept moist this shrinkage is either decreased or is changed to expansion, accurate figures on the quantity of this variation have heretofore been very meager. As the problem is of importance in connection with the study of the development of cracks in concrete pavements and roadways, a series of measurements were undertaken in the testing laboratory of the Office of Public Roads, U. S. Department of Agriculture, under the supervision of Mr. Logan Waller Page, Director of the Office of Public Roads.

A paper embodying the results of these experiments was read some time ago before the American Society for Testing Materials, by Mr. A. T. Goldbeck. The conclusions reached are summarized as follows:

1. Concrete, upon hardening in air, contracts.
2. When kept moistened during the setting process, concrete expands; and, if allowed to dry out after a small initial period of water curing, it will then contract.
3. The contraction of mixtures of wet consistency is delayed somewhat beyond those of dry consistency.
4. The amount of contraction of air-cured concrete is influenced very little by the proportions or consistency of the mixture.
5. For practical purposes, the maximum contraction of air-cured concrete seems to be reached at the age of three months, and equals approximately 0.05 per cent.
6. If moistened after drying out, concrete will expand.
7. It is probable that the shrinkage of concrete, under conditions which do not interfere with its rapid drying out, is far more potent a factor in the formation of cracks than contraction due to external temperature changes.

## ONE GREAT HELP TO BUSINESS.

Winter, with its long evenings devoted to reading, is the season of all seasons for the shrewd advertiser. And you, too, Mr. Reader, between now and the flowers that bloom in the spring, can cultivate many acquaintances that will increase your profitable business in 1913.—Cement World.

For "proposals" there is no better medium in print than "The Builders' Guide." Why? Because among our regular readers are the biggest concerns in every avenue of structural activity.

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The man that doesn't advertise nowadays is a barnacle. And he ends up like a barnacle by being scraped off.

## CODE.

The new building code of New York City contains a requirement that all mercantile and manufacturing buildings over 50 feet high, hereafter erected, shall be equipped with automatic sprinklers. Automatic fire alarms and standpipes will also be required at the recommendation of the Fire Commissioner. Other provisions for safety include smoke-proof towers, wire-glass windows, and a limiting of floor areas under certain conditions. Sprinklers had been required in certain classes of buildings by the Fire Commissioner, he being sustained in this requirement; and it is interesting to note that the new law compels the use of automatic sprinklers in business buildings of any considerable size.

## BUILDING COST DATA.

An interesting table of building cost data for approximate estimates and appraisals has been made up by Duncan M. Robertson, compiler of architects' specifications and data, 150 Fifth avenue, New York, and is shown herewith. It will be noted that the cost is based on per cubic foot of building contents exclusive of scenic or other features, lighting fixtures, mural and art painting, incidentals, etc.

Cost Data for Approximate Estimates and Appraisals.

	TYPES OF CONSTRUCTION			
	Ordinary	First Class	High Grade	Elaborate
Architect's Fee . . . . .	1 1/8	1 1/4	1 3/8	1 3/4
*Brick and Brick Work . . . . .	4	4 1/2	5 3/4	6 5/8
Bronze and Brass Work . . . . .	1/4	1/4	1/2	3/8
Carpenter Work . . . . .	4 1/2	1 1/6	2 7/8	3 1/4
Cast Iron . . . . .	3/4	7/8	1 1/8	1 7/8
Composition Flooring . . . . .		1/8	1/4	5/8
Concrete . . . . .	1 1/8	2 3/8	7/8	1 1/4
*Concrete Block Work . . . . .	3	3	3 1/8	4 1/4
Concrete Reinforcement . . . . .		1/2	5/8	1 1/4
*Cut Stone and Cut Stone Work . . . . .	3 1/8	6	6 5/8	8 1/2
Electric Work . . . . .	1/4	2/3	7/8	1 1/2
Elevator Work . . . . .	2 3/4	1	1 1/4	1 3/4
Excavation . . . . .	1/4	1/4	3/8	3/8
Foundation Work . . . . .	3/4	1 1/4	1 3/8	2 1/4
Gas Fitting . . . . .	1 1/8	5/8	1 1/8	1 3/4
Glass and Glazing . . . . .	1 1/2	1 1/2	3/4	7/8
Hardware . . . . .	1 1/8	1 1/8	1 1/8	5/8
Heating and Ventilating . . . . .	1 1/8	1 1/4	1 3/4	1 7/8
Lathing . . . . .	1/4	1/4	3/8	3/8
Ornamental Metal Work . . . . .	3/4	1 1/8	1 1/8	1 7/8
Painting . . . . .	1 1/2	3/4	1 1/8	2 5/8
Plastering . . . . .	1 7/8	1 7/8	1 7/8	2 1/4
Plumbing . . . . .	1 1/2	3/4	1 1/8	1 1/8
Power Plant . . . . .	3/4	3/4	1 1/8	2 1/8
Roofing and Accessories . . . . .	1 1/2	3/4	1 1/8	1 5/8
Sheet Metal . . . . .	1 1/8	1 1/2	1 1/2	7/8
Skylights . . . . .	3/8	1 1/8	1 1/8	1 1/4
Structural Steel and Iron . . . . .	7/8	2 1/2	2 1/2	2 1/2
Stucco Work . . . . .	7/8	1 1/4	1 1/4	1 3/4
*Terra Cotta and Faience (Trim) . . . . .	1/2	7/8	7/8	1 1/4
Terra Cotta Blocks . . . . .	2 1/2	2 3/8	2 3/8	7/8
Tiling and Mosaic . . . . .	1/4	3/8	7/8	7/8
Waterproofing and Dampproofing . . . . .	1/8	1/4	3/8	3/4

\* These items are alternates for exterior work and are used or omitted as design may determine. For interior work, the averages are approximately correct.

The charges for these particular items range from 6 1/2 to 74-5 cents per cubic foot. The figures given in the accompanying table are cents per cubic foot.



## Shop "Kinks"

### How to Patch a Concrete Floor.

When a cement floor surface begins to wear, it is often desirable to patch it. Leonard C. Wason, president of the Aberthaw Construction Company, Boston, in a recent paper, describes the right and the wrong way of doing this, as taught by the experience of this large operating concern.

**The Wrong Way.**—Commonly a sand and cement mortar is made; some cutting is done; and the mortar is put in, and scrubbed with a steel trowel until smooth. It is then covered up for a while. If the concrete under the patch is left dry, it soaks up the water of the mortar. As a result, the mortar does not set. If the room is dry or hot, the surface of the patch dries out; and, for the same reason, it does not set. If the concrete under the patch is dusty, the patch does not adhere to the concrete. If the materials in the mortar are not suitable, naturally the patch wears badly, particularly as it is obviously located at a point of severe wear.

**The Right Way.**—Cut down the worn place at least  $1\frac{1}{2}$  inches. This cutting should be carried into the strong, unbroken concrete, and the edges should be cleanly undercut. The bottom of the cut should then be swept out; then blown out perfectly clean with compressed air or a pair of bellows, if available; then thoroughly wet, and scrubbed with a broom. In this way, small, loose particles of broken material which the chisel may have driven into the surface are removed. A grout made of pure cement and water about the consistency of thin cream, should be scrubbed into the pores with a broom or brush, both at the bottom and on the sides of the cut. Following this, a stiffer grout, about the consistency of soft putty, should be thoroughly compressed and worked into the surface which has already been spread with grout. Finally, before the grout is set, a mortar made of 1 part cement to 1 part gravel or crushed stone consisting of graded sizes from  $\frac{1}{2}$ -inch down to the smallest, excluding dust, should be thoroughly mixed and put in place, and then floated to a proper surface. Cover with wet bagging, wet sand, sawdust, or other available material. All trucking should be kept off, and the surface kept thoroughly wet for at least one week or ten days.

If a particularly hard surface is required, 6-penny nails are sometimes mixed with the

mortar and other nails stuck into the surface when the patch is finished. This will produce a surface which is extremely hard and durable.

\* \* \*

### Cleanser for Woodwork.

A cleanser which, it is said, will make old painted woodwork look like new, is made as follows:

Four pounds of sal-soda, one pound carbonate of potash, and one-quarter ounce bichromate of potash. Dissolve in five gallons of water, boiling hot, adding subsequently three gallons more, and the mass will become like jelly. Apply with a brush, and follow up with a clean sponge. If the first coat fails to make clean, try another.

The above will make 8 gallons, at a total cost of about 40 cents. The mixture will keep indefinitely.

\* \* \*

### Heat-Proof Putty.

Mixing a handful of burnt lime with 120 grams of linseed oil, boiling down to the usual consistency of putty, and allowing the plastic mass to spread out in a thin layer to dry in a place where it is not reached by the sun's rays, yields eventually a very hard putty. When required for use, it is made plastic by holding over the funnel of a lamp; on cooling, it regains its previous hardness.

### STEEL COLUMN CONNECTIONS IN REINFORCED BUILDINGS.

Concrete-encased steel columns are now sometimes adopted in reinforced concrete buildings, instead of reinforced concrete columns. As pointed out by "Engineering Record," economy of floor space is the predominating factor in deciding on this departure. In some buildings, however, where traveling cranes are used, the vibrations and large bending moments transmitted to the columns from the cranes are also important considerations.

Since this combination of steel and concrete construction is in an early stage of development, it is well for designers and contractors to realize the great importance of careful design and construction at connections of large reinforced girders with steel columns encased in concrete. In such cases, large end shears must be transmitted from girders to columns. In addition to making proper provision for these shears in the girders, careful consideration must be given to the bearing pressures on

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the concrete where it comes in contact with its seat in the column. Reference is made by our contemporary to a building where large angle seats are provided to assist in transferring the end shear into the column which extends above the concrete girder. Here the seat takes the form of a bracket riveted to the column face. Designers must use stiffeners under the outstanding legs of these bracket angles to insure proper strength against bending; and a sufficient number of rivets must be employed to carry the stresses. Where the steel column stops at the bottom of the girder, it is an easy error to place a small cap on the column and assume that there is sufficient area to keep the bearing stress on the concrete within safe limits. This error should be avoided.

Briefly, this is a matter of design where every detail must be determined with care,

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and no guesswork is permissible. The problem is simple, but it must receive attention in every case where this combination of steel and concrete is used. In some designs, reliance may be placed to some extent on the adhesion between the concrete and steel to transmit some of the end shear; but on the whole it is much better to put all the eggs in one basket, and make the basket strong enough to hold them. Adhesion alone will not do the work. To make it available, the column must extend to the top of the girder, and this at once reduces the section effective for shear. It is possible, however, in some instances, to extend the column up into the girder by using a plate extension at the upper end of the column, thus affording an area of contact between girder and steel, through which stress may pass by adhesion. In such cases the edge

of the plate should be placed perpendicularly to the plane of the girder, in order to permit the main reinforcing rod to pass. Contractors are interested in this matter because the best concrete is needed to develop proper bearing and shearing strengths; and it would be well for them to call the attention of concrete foremen to the importance of close supervision while concrete is being placed in such work as is here discussed.

### PREVENTION OF CONCRETE ACCIDENTS.

A valuable suggestion which might profitably be considered for adoption in America, as an aid to the prevention of accidents in building with reinforced concrete, is found in the action taken by the Ministry of Public Works in two European countries—Germany and Austria. It consists in the introduction of a system of official reports on all accidents that occur, made out by qualified experts and after systematic investigation.

The ordinances, as described by Dr. F. von Emperger in a paper presented to the recent congress of the International Association for Testing Materials, not only prescribed the procedure to be adopted in all kinds of building accidents (therefore including such accidents as, not being attended with any injury to life or limb, were not previously subjected to any jurisdiction), but also insured competent judgment, by providing a list of experts; whereas the pre-existing reports on building accidents were not only very imperfect, but had also been drawn up, as a rule, by persons more or less unqualified for the work.

One of the chief causes of such accidents has always resided in imperfect knowledge of the material at the time of removing the false-

work of the concrete, since, in view of the divergent influences to which the material is exposed in building operations, the quality of the material can only be imperfectly judged in the laboratory; or also because, in the absence of any connection between the laboratory and the building site, the material has actually escaped any checking. It has happened, for instance, that the falsework has been taken down from concrete which has been spoiled by frost or checked in its development, although the regulations laid down for ordinary average conditions have been strictly complied with; and that this premature dismantling of the falsework has led to extensive accidents. Moreover, it has also happened that some contractors have had accidents when working on approved lines, through using materials regardless of whether the same were equal to those with which they were acquainted.

Even the most careful precaution cannot, perhaps, always prevent accident; but builders do not always possess the warning consciousness of danger at the time when the latter is most imminent. For such contingencies, the present writer has found a trustworthy and proved auxiliary in the form of check or test beams, which enable one to ascertain, in a simple and reliable manner and on the spot, whether the concrete of a structure is quite ready for the falsework to be taken down, or whether that operation should be delayed. The use of this auxiliary is strongly recommended when building operations are being carried on under unusual conditions, especially in autumn and winter; also in excessively hot weather, and when unknown material is being used; and a warning must be uttered against the assumption, so frequently expressed, that an experienced concrete layer can judge the quality of concrete by touch.

The writer has by this method been able to obtain results quite different from the opinion of experienced men when these opinions were based on an external examination alone, and the results thus obtained have upon further investigation proven the correct ones.

The terms "progressive dealer" and "trade journal" are synonymous; wherever you find one you can usually find the other.—Exchange.

### FRISCO TO SPEND \$80,000,000.

San Francisco is planning to entertain the world on a grand scale in 1915. Before the city had been selected as the location for the Panama Canal Exposition more than \$17,000,000 had been publicly contributed in California for the big show. Since then the public fund has reached \$22,000,000. It is estimated that more than \$80,000,000 will be expended on the exposition.

Golden Gate Park will be the site of the permanent structures which will remain after the exposition. Among the striking structures here will be a huge concrete coliseum to surround an existing stadium, with a seating capacity of 75,000 people and in archi-



ture like that at Rome. Awnings will shade it, and it is planned that an automobile race track shall pass into the stadium.

#### State, Government and Private Capital Will Be Used.

All told, San Francisco will spend more than \$100,000,000 in public improvements within the city itself. The State of California has voted \$9,000,000 in bonds for piers and improvements on the San Francisco water front, aside from the \$5,000,000 it has appropriated for exposition purposes. The construction of that portion of the scenic boulevard which will lie in the Presidio is among the works which it is anticipated the Government will undertake.

#### New City Hall to Be Built.

The ferry building at the foot of Market street will be the entrance to Exposition City, with a grand court of honor and probably viaducts to permit visitors to pass from either side of the street. Near the junction of Market and Van Ness will be established a civic centre with a great auditorium to accommodate conventions during the exposition. A new City Hall to replace the one demolished in 1906 will form the nucleus of the civic centre, and Mayor Rolph announces that this structure, to be built in classic style, will be completed by March 1, 1915.

Private capital will erect a grand opera house at the civic centre and other structures within a considerable radius will be built or remodeled to conform to the general architectural design. Telegraph Hill, looming 287 feet above San Francisco harbor, will be terraced and surmounted by the tallest wireless tower than can be constructed; from the tower messages will be flashed to ships passing through the Panama Canal.

#### INSURANCE REDUCTION.

It is difficult to obtain general figures on insurance rates in different classes of buildings. So many elements in construction and occupancy enter into the rates that generalized figures are almost unobtainable. The Chicago Association of Commerce, however, has been accumulating information on this subject, from which the following items have been gleaned:

A fireproof building without automatic sprinklers pays an average rate of 22 cents per \$100 valuation on the building, and 42 cents on the contents. A mill-constructed building, the interior of which is entirely wood, but which is protected by automatic sprinklers, has a rate of 23 cents on the building and only 32 cents on the contents. This means that the non-fireproof building has a lower total insurance charge if it is protected by automatic sprinklers than does a strictly fireproof building without sprinklers. A further comparison is shown by the fact that the mill-constructed building without sprinklers has a rate of 57 cents on the building, and \$1.04, or more than 1 per cent., on the contents. Other classes of building are detailed in the report; but the above details

show the vast difference resulting from the use of automatic sprinklers.

#### WORLD'S TALLEST STRUCTURES.

Colossus of Rhodes.....	105 ft.
Pantheon, Rome .....	150 ft.
St. Isaac's, St. Petersburg.....	365 ft.
Statue of Liberty.....	305 ft.
Great Pyramid of Cheops.....	450 ft.
St. Peter's, Rome.....	400 ft.
Rouen Cathedral .....	490 ft.
Cologne Cathedral .....	516 ft.
Washington Monument .....	555 ft. 5 1/8 in.
Singer Building, New York.....	612 ft. 1 in.
Metropolitan Tower, New York..	700 ft. 3 in.
Woolworth Building, New York..	750 ft.
Eiffel Tower, Paris .....	984 ft.

#### WHAT IS THE MATTER WITH THE TIN ROOFING BUSINESS?

##### Retarding Influences to Its Growth Discussed by a Successful Contractor.

Many who should logically be extensive users of tin plate, having read so many complaints deploring the poor quality of the present day product, have reached the conclusion that tin plate is no longer safe to use.

Is this because no good tin is made, and was tin plate ever so good that it proved satisfactory under all conditions?

I have always believed that much of the present complaint is due more to the lack of care on the part of the user, or to his unwillingness to pay the price necessary to secure superior quality than to a lack of good tin.

##### Early Complaints.

I have more than once expressed my belief that in the past as now, complaint was made in regard to quality. This statement is corroborated by an article which I recently read in a paper printed nearly thirty-five years ago. One man complained of the poor quality of roofing tin, and another asked if tin plate used for cans was coated on only one side. This question was prompted by his having opened canned goods and finding the inside of the cans devoid of tin coating. Certainly this is worse than anything that can be said against present day bright tin, although the metal used for coating it costs more than twice as much now as it did then.

A manufacturer, replying to a correspondent's complaint, made the claim: "We would just say that plates are now made better than ever, as well as worse than ever, and a man must buy the quality, the actual quality, as he sees it." And then he added: "But when there shall arise among dealers and manufacturers a greater demand for better plates, and with it a willingness to pay for them, the trouble your correspondent complains of will in a great measure be remedied. The race for low prices has resulted in a multiplication of brands, the presence of many of which is of no advantage to any one."

#### The Foundation of the Trouble.

Tin roofing troubles are largely the result of ignorance, carelessness and avarice, writes H. A. Daniel in "The Sheet Metal Shop."

The worst of these, ignorance, can be remedied to a very great extent by constant and unremitting efforts to educate people, in the trade as well as out of it, to the fact that quality pays. It is mainly to ignorance of the basic fact that buying "cheap" insures poor quality and poor returns that the use of poor tin may be attributed.

The roofers can do much to offset the general prevailing ignorance. First, by themselves learning how tin plate is made, and acquiring a knowledge of the capacity for service of the various brands. Second, by educating the prospective user of tin regarding the different qualities and why cheap tin is dear at any price.

The roofer, after thus informing himself, is in a position to make good use of this information. If possible he should supplement his study by a trip through one of the many tin plate factories. With a good working knowledge of how his material is made he can enlighten the prospective customer on the danger involved in buying cheap tin and the necessity for specifying a desirable grade, as for instance: charcoal iron, or open hearth steel base plate, palm oil flux, 40 pound coating, 3/8 inch or 1/2 inch edges on sheets used for flat lock roofs; cleats, not nails, to secure sheets; rosin for flux for solder; heavily soaked seams for flat lock roofs; wide gauge seams for standing seam roofs; rosin scraped off with wood points before painting. Carelessness in specifying these items or in explaining them to the prospective owner results in injury to the trade.

The manufacturers' part is to provide careful and unremitting inspection and management at the mills as the only means of averting mistakes in production such as the use of Bessemer sheets for brands requiring open hearth sheets, or the improper annealing of sheets or imperfect cleaning or overheating of the coating bath or failure to properly assort the sheets.

The manufacturer may accomplish large results in educating the public to the value of tin for roofing by making liberal appropriation for that purpose. This policy will insure permanent results and be of incalculable assistance to the tin roofing contractor.

The roofer must beware of avarice in the scramble for business and avoid the shortsighted policy of using cheap tin and cheap methods which in many localities have resulted in the superseding of tin by composition roofing and patented materials.

##### Necessity for a High Standard.

Contractors should refuse to figure on tin roofing with tin below a certain standard, and give the reason for their refusal to the prospective customer. I would like to set the standard high, and as a matter of fact do. I will figure on nothing less than a 40-pound coating, palm oil fluxed, open hearth steel, or charcoal iron base plate, though it is quite

(Continued on page 778)



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## Editorial Comment

Among the winners just announced in a competition for the Warren prize, "The Guide" is pleased to note the names of five students in the University of Pennsylvania School of Architecture.

Claude W. Stedman, of Cleveland, won first place and received one of three first medals. Another was given to William P. Barney, while a second medal was awarded to William J. H. Hough, of Ambler. William C. Tyler and S. Arthur Love received honorable mention.

The Warren prize is given by Whitney and Lloyd Warren, of the firm of Warren & Wetmore, prominent New York architects. It is presented through the Beaux Arts Society of Architects as one of the society's four annual prizes. Three hundred men, students and practicing architects, throughout the country, competed. The money consideration is nominal, but a great deal of prestige is attached to the award.

The subject for the contest was a moving picture manufacturing establishment, to be situated near a large seaside resort. The problem was issued on October 18, to be finished three days later. Six University of Pennsylvania students competed, five of them figuring in the award, which was made by a committee of fifteen prominent architects.

\* \* \*

We are afraid Philadelphians under rather than overrate the importance of a little gathering held last week at the Bellevue-Stratford. The little gathering referred to was a symposium of planning experts called to make provision so far as practicable for the growth of Philadelphia into the suburban districts surrounding it, or, to borrow the phraseology of the announcement issued, "to insure a coherency of urban development and public utility planning." The occasion was the "Suburban Co-operative Planning Conference," and as a result of its deliberations steps will be taken urging the Legislature to create three metropolitan planning centers—Philadelphia, Pittsburgh and Scranton. An effort is to be made also to establish a metropolitan planning commission, the members of which are to be charged with the duty of so directing the growth and development of city and suburb as to bring their respective enterprises into a certain harmonious unity, making each a part of one great central scheme of development rather than independent, unrelated and aimless efforts.

The draft of the desired legislative act was expounded by Andrew W. Crawford, ex-Assistant City Solicitor and secretary of the City Parks Association. It provides these districts shall include the land extending for 25 or 30 miles radius from the core of the city. The commission desired, which is to be composed of delegates from townships, boroughs and cities, should study and recommend

features for the better development of all intercommunicating interests, such as main thoroughfares, sewer systems, sewage disposal plants, water plant and park formation.

None of the recommendations is to be mandatory, but it is to be understood that with co-operation on all sides the suggestions, which will be presumed to be to the common advantage, will be readily accepted.

George Sullivan, president of the township commissioners of Lower Merion; Rollin Norris, president of the Main Line Housing Association, and Mr. Gribbell, of Cheltenham, were authorized to appoint a committee of fifteen, who should arrange for the presentation of the matter during the next session of the Legislature.

\* \* \*

Among the papers read at this gathering were a number of considerable interest to architects and others interested in the general subject of urban improvement.

A paper on "Suburban Planning and Intercommunication" was read by Charles W. Leavitt, Jr., the landscape architect of the great Harriman Park which is being laid out along the south bank of the Hudson River, behind the Palisades of New York. Mr. Leavitt pointed out the advantages to be derived from united town planning for the common weal, but warned against hasty action. He exhibited an instructive series of slides showing the progress of city planning in Europe and maps of mistakes that had been made.

Mr. Leavitt laid stress on the continued development of the smaller towns and villages, which will eventually be absorbed by the larger centres of population.

"It is a popular fancy that work of this nature means large expenditures in addition to the regular yearly budget and consequently increases the taxes," he declared. "This is not necessarily true, whether you adopt a general plan for the future development, or whether each village proceeds independently, as heretofore, it is necessary to spend.

"Is it not better to spend intelligently and harmoniously and with a view to the future? Thus, even if you should not increase your yearly budget, you would provide a better community in which to work, to live and to play.

"The first subject to be considered is drainage. The drainage must be divided into, first, the storm water or general run-off from rains and the natural flow of the streams; second, the sewerage system to convey the sewage from the habitations, stores, factories, etc., to a sewage disposal plant, where it may be purified before escaping into any body of water.

"The storm water being unpolluted can be discharged into the nearest stream. It is, however, necessary to catch such storm water



in basins at the sides of the streets, etc., and convey it in pipes to the nearest stream, as otherwise such water, if unconfined, may cause serious damage by washing, and the stream beds must be cleaned out and given even grades. The stream banks should be protected by walls or paving so that the storm water may escape without causing floods, washing and other damage.

"It may be desirable to have still water in certain valleys. This may be accomplished by the construction of dams, forming lakes which will serve to break the rush of the storm water and permit it to flow off more evenly. Such bodies of water will be attractive in the landscape, affording boating, bathing and skating, and be generally refreshing during the heat of the summer. It is obvious that it is most essential to keep these storm water drainage systems entirely separate from the sewerage or house drainage. In fact, this is known as the separate system."

In planning the highways and streets he urged that care be taken that a property owner along these thoroughfares shall not be permitted to cut up his land to build whatever he pleases thereon. A soap works might be erected next to an expensive residence and bring about a rapid deterioration in its value.

\* \* \*

"With the exception of Philadelphia," said Frederick C. Howe, director of the People's Institute of New York City, on the theme of "Comprehensive Planning," most other large American cities have been built in a haphazard manner, but the well laid out streets and beautiful suburbs of this city show much forethought in their planning. He extolled German methods of town planning.

"The World's Fair at Chicago," he said, "was the beginning of modern town planning. Cities are now being built as the World's Fair was laid out in Great Britain, France and Germany. England and France have passed two planning acts. Manufactories are not allowed in residential sections. In this country a livery stable or a garage is put up next door to us and tends to the diminution of the value of our property.

"Garden suburbs have been started near London, Liverpool, York and other large British cities, not planned by the individual but by the community.

"Washington was planned and made the most beautiful capital in the world, but had it been planned by an individual it would have been like Cleveland, Pittsburgh, Chicago and others.

"Fifteen years ago the Germans recognized the need of town planning. They realized that the vitality of their children was being diminished by unsanitary conditions.

"Parks were arranged for and streets laid out thirty years in advance. In every German city of consequence there are town planning commissions. At Dusseldorf, with a population of 350,000, plans have been made for a city of a million inhabitants."

\* \* \*

Mrs. Rollin Norris read a paper on the

"Desirability of Co-operation," prepared by her husband, who is president of the Main Line Housing Association.

"Topography should be studied in suburban planning," she said. "Town planning recognizes the right of the poor to pure air and sunshine. The sub-divisions of land should be planned with greater efficiency. The highways should not only be large enough for the present traffic, but should be capable of enlargement. The suburbs of to-day are confronted with grave problems of sewerage, housing, roads and water supply. Nearby communities are confronted with sewage problems."

\* \* \*

Alba B. Johnson, president of the Baldwin Locomotive Works, told of his extensive travels to observe town planning methods in South America and Europe.

"Undirected individualism," he declared, "is the curse under which we are living to-day in America. We must learn that individuals must surrender something to the community in which they live." Mr. Johnson told of the beauties of Nuremburg, Nancy and Berlin. The German metropolis, he said, is an object lesson to us in its lack of slums, its modern workmen's dwellings, its grass-carpeted groves and profuse flower beds. He deprecated the disreputable condition of Whitehall in such close proximity to Bryn Mawr and Ardmore and said that British and German authorities would not permit such a state of affairs.

Mr. Johnson said that most Philadelphians do not realize how swiftly South Philadelphia is extending its streets and population and predicted the growth of a great city along the Delaware front, an unbroken mass of streets from Philadelphia to beyond Chester. He heartily indorsed the bill drafted by Mr. Crawford.

George S. Webster, Chief of the Survey Bureau of this city, spoke of the River Boards created in England, which are empowered to control the sewage disposal in large areas and exercise a rigid supervision of what is turned into rivers and streams by municipal bodies, manufactories and private individuals. Cost of satisfactory sewage disposal is often prohibitive for small communities, he said, in recommending that communities in the neighborhood of rivers and streams could get together and work out a mutually beneficial scheme of disposal.

A brief address was made by Eli K. Price, vice-president of the Fairmount Park Commission, and a plea for better housing with a close attention to hygienic requirements was made by Henry S. Spackman, a Philadelphia engineer.

\* \* \*

One of the unusual features of the gathering was the small part taken in it by members of the architectural profession. Aside from Mr. D. Knickerbacker Boyd, who was one of the prominent figures in the deliberations of the conference, no architects of note had any conspicuous part in the gathering.

Inasmuch as no class of men are so eminently fitted for the work, it is to be deplored that members of the profession do not manifest a more active interest in assemblages of this kind. While "The Guide" doesn't as a rule believe in passing out nosegays, it has no hesitancy at all about saying that one of the things Philadelphia architecture needs more than all things else, is a few more men with the Boyd energy, brains and initiative. Indeed, Philadelphia Chapter without D. K. Boyd would be a whole lot like Hamlet with the melancholy prince eliminated.

### Alterations and Additions

Herman Praeger (O), 2049 Park avenue. Seedman & Get (C), 1312 North Sixth street. Cost, \$600. Store and dwelling, 1813 North Seventh street.

Howard Marteen (O), 201 South Thirty-seventh street. S. Remick (C), East Lansdowne, Pa. Cost, \$1,400. Dwelling, 3626 Sansom street.

J. L. Fry (O), Real Estate Trust Building. Cost, \$1,700. Store and dwelling, 4001 North Twelfth street.

Robert S. Dunnon (O), 8416 Germantown avenue. George S. Roth & Sons (C), 230 East Gravers lane. Cost, \$900. Stable.

Reiger & Gretz Brewing Co. (O), Germantown avenue and Oxford street. Philip Hiebach Contracting Co. (C), Twenty-sixth and Thompson streets. Cost, \$1,350. Brewery, Germantown avenue and Oxford street. Cost, \$2,400. Office, Germantown avenue and Oxford street.

Forrest N. Magee (O), Commonwealth Building. Charles Gilpin (C), Harrison Building. Cost, \$1,500. Residence, 2108 Locust street.

John H. Sloan (O), 1531 Norris street. C. R. Strode (C), 1219 North Nineteenth street. Cost, \$8,925. Apartment house, 1004 North Nineteenth street.

George P. Flemming (O), Franklin Bank Building. Smith-Hardican Co. (C), 1606 Cherry street. Cost, \$8,000. Apartment house, 2219 North Thirteenth street.

Berg Distilling Co. (O), Swanson and Tarker streets. W. E. Dotts & Co. (C), 148 North Second street. Cost, \$3,000. Cistern house.

R. C. Husted (O), 1718 Federal street. Geo. Hill (C), 2004 Naudain street. Cost, \$1,400. Store and dwelling, 1718 Federal street.

William Bryant (O), Tenth street and Washington avenue. Specialty Engineering Co. (C), Emerald and Cornwall streets. Cost, \$4,500. Coal pocket.

McNichols & Bros. (O), 1319 Quarry street. H. Rissinck (C), 137 North Tenth street. Cost, \$2,400. Warehouse, 221 North Sixteenth st.

Rittenhouse Bros. (O), Fifty-second street and Hazel avenue. James M. Holm (C), 5536 Arch street. Cost, \$2,500. Store and office, 4217 Lancaster avenue.

J. J. Moore (O), Sixty-first street and Girard avenue. Bahn Bros. (C), 34 South Sixtieth street. Cost, \$2,000. Store, Sixty-first and Master streets.

### THERE'S ONLY ONE WAY.

A man may guy,  
And a man may lie,  
And a man may puff and blow;  
But he can't get trade by sitting in the shade,  
Waiting for business to grow.



## Up-to-Date Lighting

Some people are to-day using improved tallow dips and oil lamps for illumination, simply because they have gotten into an old-fashioned rut. We should all get the Electric Light habit—it will save us money and health, it will lengthen our lives and improve our tempers. The present generation cannot afford antiquated methods.



### WHAT IS THE MATTER WITH THE TIN ROOFING BUSINESS?

(Continued from page 775.)

likely that much business would be lost if such a high standard is adhered to in all places. The setting of a high standard may mean some loss of business at the start, but better prices can be secured for the business that is taken and the business will ultimately be made much better. An owner will remember who put on his roof that proved unsatisfactory long after he has forgotten the price he paid for the job.

Surely the present unsatisfactory conditions of to-day, due to the flooding of the country with cheap material, should be sufficient to convince the most stupid of the futility of such methods, and if we are now to build up the business to a satisfactory volume we must work up quality and pay less attention to price. It will save the industry in the end and pay handsomely.

### SOME MORE ADVERTISING "DON'T'S."

Don't try to do a million dollar business on a two thousand dollar basis.

Don't try to advertise a quarter page proposition in a three-inch space.

Don't belittle a big business reputation by running a piking little "ad" among piker competitors.

Don't overlook the fact that as a man is judged by his stationery, so a firm is judged by its advertising.

Don't expect outsiders to give you a big rating on a one-inch space.

Many a man has a "Do It Now" motto over his desk and cobwebs on his brain and dust on the desk.

## New Ideas, Materials and Devices

Innovations in Material and Equipment That Merit the Interest of Architect and Building Owner—A Running Resume of Novelties More or Less Recent.

### An Unspoilable Damp-Proofing:

Damp-proofing materials are legion, and, as every builder in concrete well knows, they vary greatly in their adaptability and efficiency. The wise builder or contractor who desires only the best should investigate "Percoproof," which is manufactured by the Philip Carey Company, of Lockland, Cincinnati, O., makers also of the famous Carey Flexible Cement Roofing.

Percoproof is neither a paint nor a stain. It is a permanent and unspoilable damp-proofing, which keeps up its work while the building lasts. The lime content or other chemically active ingredients in cement are claimed to have no effect upon it; neither have the acids or alkalis in ground water around foundation walls. It will not peel, crack or disintegrate; and it permanently prevents absorption of water by a wall, above or below grade.

The Philip Carey Co. has branches in all large cities. Full instructions for using Percoproof and information as to prices, etc., will be sent on request.

### "The Pepper Pot":

Under this title, the first number of a monthly publication devoted to the interests of Blystone Batch Concrete and Mortar Mixers, has been published by the Blystone Machinery Company, 45 Beach avenue, Cambridge Springs, Pa. The contents bear out the appellation in the title. Cement mixer men everywhere should be interested. Beautiful miniature working models of the Blystone Mixer, made in aluminum, are now sold to dealers, with the privilege of return at any time and money refunded.

### Gospel of the Steel Form:

An opportunity to learn all about steel forms, by personal interview with experts sent out for the purpose, and without involving any expense whatsoever to the inquirer, is now offered to concrete contractors and engineers throughout the United States and Canada by the Blaw Steel Construction Co., of Pittsburgh, Pa.

This company has started one of the most unique and aggressive publicity campaigns ever attempted. Sixteen of the company's sales engineers have been sent out from Pittsburgh, New York and Chicago, to visit practically every important centre and spread the doctrine of Steel Forms. It is primarily not a "selling," but a "telling" or educative campaign. These men are not instructed

primarily to get orders, but to call on the principal engineers and contractors, and tell them what the Blaw Steel Construction Co. can do for them, how the company can save them money, and also tell them about the service the company has already rendered to other contractors and engineers.

A representative of the company will be glad to call on any engineer or contractor anywhere, merely to give him full information about Steel Forms, provided a request for such a visit is made while one of the company's representatives is anywhere in the vicinity of the inquirer.

Here is an opportunity well worth consideration. Engineers and contractors everywhere should get in touch at once with the Blaw Steel Construction Company, and arrange as far as possible in advance for a representative to include their town in his itinerary.

### Hydraulically Pressed Cement Floor:

This country is just beginning to realize what a number of things can be made of cement. The Old World has been using cement for ages, and one traveling abroad can there see many uses made of it that we are only now learning, and that we are just beginning to adopt to advantage, both from a decorative point of view, and from the standpoint of cheapness and durability.

The Cemento Flooring Company, 1123 Broadway, New York City, has discovered a method of coloring cement so that it will neither weaken nor fade. The coloring matter is from natural mineral colors, imported. Their method of pouring cement into a cast-iron, polished frame, and putting the mass under hydraulic pressure, as is done in Italy, enables them to produce any design in any color, mixed with marble aggregate, the effect being like terrazzo, but of a much higher character, and without the annoyance of cracking.

Design borders in Cemento products have been adopted in place of marble and mosaic, where plaster terrazzo is used.

The Cemento Company does not confine itself to design work alone; that is merely a feature of their work. The plain white (Carrara or Italian marble chips) for centre work is used extensively, the joints being so true that, when set, they give the appearance of a jointless floor.

### "Concrete Highways:

The Association of American Portland Cement Manufacturers has published for free



distribution a comprehensive book entitled "Concrete Highways," which will interest road supervisors, dealers, contractors and taxpayers in every section of the country. The book, which is handsomely and profusely illustrated, contains nearly a hundred pages. It was prepared by expert road engineers and goes into every detail of construction, concluding with a tabular digest of concrete pavements in all sections of the country. The various chapters include discussion of bituminous compound wearing surfaces, grouted pavements, reinforced concrete pavements and specifications for the one and two-course types. In fact, the book covers the entire subject in the most reliable and authentic way. Roads supervisors, especially, will find it of inestimable value. Free copies of the book may be had upon application to the Association of American Portland Cement Manufacturers, Land Title Building, Philadelphia, Pa.

**Advertise!** The minute you stop advertising you lose ground. You may not feel this loss right away. But you must feel it in the end. Advertising is the dynamo of modern business.

Your salesman would consider himself fortunate to get **ONE TEN-MINUTE INTERVIEW** with a busy architect **IN THREE MONTHS**. We **REACH** and **TALK DIRECT** to men of this calibre **FIFTY-TWO WEEKS IN THE YEAR!**

If you fail to place "The Guide," Mr. Ad-Man, on your fall and spring list you are making a mistake you will live to regret. Few papers in the architectural field surpass "The Guide" in the matter of getting results for its advertisers.

For every "one" man you can mention who has succeeded without advertising we'll agree to name ten whose greater success has been due to advertising "direct." **Moral Advertise!**

There are two ways of doing business. One way is to sit around idle and damn the tariff. The other is to subscribe to Daily Building News, carry an "ad" in "The Guide" and ride in taxicabs.

If your competitor is cutting in on you, and he is advertising, follow suit. If he isn't advertising get the lead on him by letting the trade know you are still a factor. In either case—advertise.

Elbert Hubbard says: "Advertising is the education of the public as to who you are, where you are, and what you have to offer. Not to advertise is to be nominated for membership in the Down-and-Out Club."

## PROSPEROUS CONDITIONS ABOUND

Activity in the building trade has never been so widely distributed over all sections of the country in years as it was in the month of October, just closed. Permits were taken out in 72 of the principal cities, according to official reports to "Construction News," for the construction of 20,674 buildings in vol-

ing an estimated cost of \$61,023,398, as against 18,975 buildings, involving a total cost of \$57,429,973, for the corresponding month a year ago, a gain of 1,699 buildings and \$3,593,425, or 6 per cent. The figures in detail are as follows:

Cities.	1912		1911		Per Cent. Gain.	Per Cent. Loss.
	No. of Buildings.	Estimated Cost.	No. of Building.	Estimated Cost.		
Chicago .....	1,178	\$8,745,600	1,082	\$8,785,700	..	..
Boston .....	449	5,797,000	411	5,800,000	..	..
New York (Boroughs Mann. and Bronx) ..	370	4,722,489	197	6,626,125	..	28
Philadelphia .....	1,408	3,644,225	1,023	2,346,130	55	..
Brooklyn .....	1,123	3,379,847	1,052	2,741,530	23	..
Los Angeles .....	1,646	2,677,780	1,347	1,821,727	47	..
Detroit, Mich. ....	846	2,544,005	513	1,522,049	67	..
Atlanta .....	413	2,115,267	385	335,403	532	..
San Francisco .....	562	1,722,860	522	1,255,892	37	..
Buffalo .....	481	1,616,000	356	916,000	141	..
Milwaukee .....	425	1,196,366	501	1,073,732	9	..
Minneapolis .....	514	1,117,380	507	718,815	55	..
Portland, Ore. ....	627	1,026,885	665	1,690,980	39	..
Baltimore, Md. ....	252	1,019,554	263	539,028	89	..
Rochester, N. Y. ....	373	915,121	452	1,104,775	..	17
Kansas City, Mo. ....	416	893,335	405	726,348	23	..
San Diego, Cal. ....	477	884,319	293	831,705	6	..
Oakland, Cal. ....	465	836,169	398	621,907	34	..
St. Paul .....	310	834,991	351	571,482	46	..
Washington, D. C. ....	558	803,123	480	640,853	25	..
Cincinnati .....	1,215	798,625	1,005	2,624,970	..	69
Pittsburgh .....	359	797,999	329	2,136,670	..	63
Newark, N. J. ....	262	773,748	261	724,766	7	..
Memphis .....	316	750,891	301	379,780	97	..
Worcester .....	149	741,509	157	547,532	35	..
Hartford .....	131	608,505	120	471,705	29	..
Louisville .....	252	534,010	218	632,915	..	16
Akron .....	238	490,845	184	293,436	33	..
Denver .....	194	450,510	208	432,300	4	..
Springfield, Mass. ....	122	434,995	112	294,750	47	..
Toledo, Ohio .....	215	404,553	165	250,868	61	..
Richmond, Va. ....	46	400,136	92	325,787	22	..
New Haven .....	123	399,465	87	289,980	38	..
Sacramento .....	94	385,378	51	122,400	215	..
Seattle .....	799	374,045	1,016	638,895	..	41
Norfolk .....	68	348,513	51	100,213	248	..
Columbus .....	265	341,983	283	421,578	..	11
Houston .....	236	314,330	168	632,259	..	50
Wilkes-Barre, Pa. ....	71	281,104	71	171,252	64	..
Jacksonville, Fla. ....	105	279,010	150	313,900	..	11
Birmingham, Ala. ....	324	252,375	321	300,240	..	10
Youngstown, Ohio ...	112	246,730	94	191,795	29	..
Evansville .....	126	229,925	182	125,041	83	..
Omaha .....	109	225,365	84	363,480	..	38
Grand Rapids, Mich. ..	126	218,092	139	403,933	..	46
Cedar Rapids, Iowa ...	43	211,100	22	133,000	58	..
Salt Lake City, Utah. .	58	209,476	47	173,700	20	..
Pasadena, Cal. ....	148	198,024	137	154,768	28	..
Fort Wayne, Ind. ....	68	193,415	61	119,750	62	..
Tacoma .....	143	189,273	207	172,471	10	..
Wilmington, Del. ....	53	189,207	48	138,827	36	..
Duluth .....	106	178,785	128	237,555	..	24
Sioux City, Ia. ....	54	161,815	49	215,235	..	24
Paterson, N. J. ....	88	159,487	79	102,219	56	..
Peoria, Ill. ....	42	151,875	39	106,903	42	..



Spokane, Wash. ....	108	146,435	133	185,025	..	26
New Orleans, La. ....	..	142,357	..	187,632	..	24
Portland, Me. ....	47	137,965	45	103,284	34	..
Colorado Springs ....	28	129,861	35	44,490	194	..
South Bend, Ind. ....	29	123,517	27	103,773	19	..
St. Joseph, Mo. ....	77	112,325	49	73,157	54	..
San Jose, Cal. ....	61	104,075	41	47,630	118	..
Davenport, Ia. ....	35	88,100	32	173,100	..	38
Oklahoma City ....	33	83,855	53	124,580	..	33
Charlotte, N. C. ....	29	80,232	22	40,000	101	..
Springfield, Ill. ....	52	78,815	38	320,275	..	75
Topeka, Kan. ....	64	76,150	66	113,753	..	33
Stockton, Cal. ....	32	75,275	34	51,400	46	..
Lincoln, Neb. ....	45	74,525	42	152,250	..	51
Terre Haute, Ind. ....	53	70,482	67	53,825	31	..
Chattanooga, Tenn. ..	216	57,840	273	128,095	..	55
Harrisburg ....	32	51,175	31	112,650	..	54
	20,674	\$61,023,398	18,975	\$57,429,973	6	..

Of a total of 72 cities there were increases in 48 and decreases in 24. A significant feature of the situation is the remarkable and almost universal increase in the smaller cities, all of which are enjoying prosperity in building far beyond anything that has been attained heretofore. In the larger cities Chicago made the greatest investment, Boston is about stationary, while New York suffered a decrease of 28 per cent. and Philadelphia and Brooklyn had quite satisfactory gains of 55 and 25 per cent., respectively. Other points throughout the country show re-

markable increases, with the exception of a few widely separated cities in which building has been extremely active heretofore, and it is safe to predict, will recover in the near future. The cities in which there were decreases include Cincinnati 69 per cent., Pittsburgh 63, Louisville 16, Rochester 17, Seattle 41, Columbus 11, Houston 50, Jacksonville 11, Birmingham 16, Omaha 38, Grand Rapids 46, Duluth 24, Sioux City 24, Spokane 26, New Orleans 24, Davenport 38, Oklahoma City 33, Springfield (Ill.) 75, Topeka 33, Lincoln (Neb.) 51, Chattanooga 55, and Harrisburg 54.

BOOST.

Fall in while the band's a playin'  
Ketch the step and march along—  
'Stead o' pessimistic brayin',  
Jine the hallelujah song!  
Drop yer hammer—do some rootin'—  
Grab a horn, you cuss, and split  
Every echo with yer tootin'—  
Jump the roost  
An' boost  
A bit. —Exchange.

Get the habit!  
The man who can't make money out of  
the building notes furnished weekly in The  
Guide has missed his vocation.  
He ought to be clerking in a bird store!  
Come on in—  
The water's fine!  
Address:  
THE BUILDERS' GUIDE,  
Perry Building,  
Philadelphia.

The most valuable asset in any business  
undertaken is brains. A necessary asset is  
money. Opportunities come to us all, but are  
not always grasped when they knock at our  
door. The big opportunities come and re-  
main with the man who can combine an in-  
vestment of money, however small, with a  
large investment of brains.—Exchange.

While it pays to think, it is thought in ac-  
tion that puts money in the bank.—Exchange.

When the game is advertising, specializing  
pays. You couldn't advertise hats in a brick  
magazine any more than you would advertise  
corsets in a tobacco trade journal. Selecting  
your medium depends on the class you aim to  
reach. If the class is architects or builders,  
your medium is "The Guide."

The expert assistance we give our adver-  
tisers in the matter of preparing copy so as  
to make it tell is, in itself, worth all the  
money they spend with us. Our services in  
this avenue are at the disposal of every  
"Guide" advertiser, present as well as pros-  
pective.

The finest automobile will not run when  
the tank is empty, and the finest space can  
not pull unless it is filled with copy that  
grrips interest.—"Printer's Ink."

The darkest hour in any man's life is when  
he sits down to plan how to get money with-  
out earning it.—Horace Greely.

An advertisement should stick out like a  
sore thumb without being so sensitive.—  
"Novelty News."

"Trade News and Gossip" covers every  
avenue of building trade activity.

Don't fail to read "New Ideas, Materials  
and Devices."

IF YOU HAD  
SOME ONE TO  
TELL YOU—

Who was building, where, the name of  
the architect and contractor, the kind of ma-  
terials to be used, the cost, etc., in time for  
you to bid or work in your line, you'd con-  
sider him a pretty good friend, wouldn't  
you?

Well, this is precisely what The Guide  
tells you week after week, every issue, for  
fifty-two weeks in the year. And the cost of  
getting this information in your mail every  
Thursday morning is just \$5.00 a year.  
Less than Ten Cents a Week!

And The Guide gives you, in addition to  
all this timely and valuable news of new  
building projects all the other news to be  
gathered in the building trades, such as

Material and Equipment Notes.

Keeping you informed on every new de-  
vice, material or specialty introduced to the  
trade.

"More or Less Personal."

Giving you the personal gossip about men  
of note in the construction, architectural,  
material and engineering callings.

"Editorial."

Discussion by a trained observer of ques-  
tions of trade moment, and a budget of less  
important features, including half-tone il-  
lustrations of new and notable bits of ar-  
chitecture and interior fittings.

Are You a Subscriber?

The short cut to success in any line is to  
get your proposition before people likely to  
be interested in what you have to offer. In  
the building line "The Builders' Guide" sup-  
plies this "shortcut."

When you want to find the address of the  
man who "doesn't believe in advertising,"  
don't look up a directory. Just ask the  
sheriff.

When you don't advertise nobody knows  
that you are doing business, and it won't be  
long before you'll not know it yourself.—Ex.

AN EPITAPH.

Here lies the remains of Jonathan Wise,  
Who all his days schemed to devise  
A way to reap fortune's golden prize,  
And failed, 'cause he wouldn't advertise.

REAL ESTATE TRANSFERS.

Summary for week ending November 23rd, 1912:	
Number of transfers.....	749
Amount of transfers.....	\$1,594,236.50
Cash consideration .....	656,286.50
Mortgage consideration .....	937,950.00
Ground rent consideration.....	4,032.00
Which on a six per cent. basis amounts to .....	67,200.01



# Reference Directory for Architects, Builders and Owners

## Artesian Wells.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.,  
Bourse Bldg., Phila.

## Artists' and Architects' Supplies.

Chas. H. Robbins,  
125 S. 11th st., Phila.  
F. Weber & Co., 1125 Chestnut st., Phila.

## Awnings

Bernard McCurdy,  
N. E. Cor. 9th and Arch sts., Phila.

## Brick (Face, Etc.)

O. W. Ketcham, Builders' Exchange, Phila.

## Brick Renovating.

Adolph Christensen,  
1433 Brown st., Phila.

## Blue Prints

Blue Print Co., 1516 Chestnut Street, Phila.  
Chas. H. Robbins, 125 S. 11th st., Phila.

## Boilers and Radiators.

Isaac A. Sheppard & Co.,  
Erie ave. and Sepviva st., Phila.

## Builders.

Mitchell Bros., 2125 Race St., Phila.  
Pomeroy Const. Co., 1609 Ransstead st., Phila.

## Builders' and Contractors' Machinery.

Henry T. Peirce, Bulletin Bldg., Phila.

## Canvas Roofing.

The Franklin Paper Co.,  
718 Cherry st., Phila.

## Cement.

Samuel H. French & Co.,  
4th and Callowhill sts., Phila.  
Chas. Warner Co., Land Title Bldg., Phila.  
Knickerbocker Lime Co.,  
266 N. 24th St., Phila.

## Cement and Asphalt Paving.

Wm. Krause, 1621 N. 5th St., Phila.

## Cement Colors.

Samuel H. French & Co.,  
4th and Callowhill sts., Phila.

## Cold Water Painting.

William B. Southern,  
N. W. Cor. 12th and Spruce sts., Phila.

## Concrete Engineer.

Conklin Engineering Co.,  
Heed Building, Phila.

## Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,  
10th and Chestnut Sts.

## Elevator (Lubricators.)

American Engr & Mfg. Co.,  
Real Estate Trust Bldg., Phila.

## Engraving, Photo and Line.

Chestnut Street Engraving Co.,  
7th and Chestnut sts., Phila.

## Fire Protection Equipment.

Jas. Boyd & Bros.,  
25th and Wharton sts., Phila.

## Flag Poles (wood and steel).

Bernard McCurdy,  
N. E. cor. 9th and Arch sts., Phila.

## Floors and Floor Finishing.

Andrew Pinkerton, 3034 W. York st., Phila.  
Fritz & La Rue,  
4800 Parkside ave., Phila.  
Keystone Hardwood Floor Co.,  
7 S. 16th st., Phila.  
Thos. E. Sloan & Co., 802 Walnut st., Phila.

## Furnishers and Decorators.

Duncan & Duncan, Inc.,  
1724 Chestnut st., Phila.

## Furnaces and Ranges.

Bartlett & Co., 1938 Market st., Phila.  
Henry M. Miller, 40 N. 2nd st., Phila.  
Isaac A. Sheppard & Co.,  
Erie Ave. and Sepviva St., Phila.

## Gas and Gas Appliances.

United Gas Improvement Co.,  
Broad and Arch sts., Phila.

## Graphite Paint.

Jos. Dixon Crucible Co.,  
1020 Arch st., Phila.

## Heating Boilers.

H R Smith, 1225 Arch st., Phila.

## Heating (Warm Air.)

Makin Heating Co., 6 N. 18th St., Phila.

## Iron Work (Structural and Ornamental).

W. E. Wark & Co., 1737 Filbert st., Phila.

## Lighting Fixtures.

Logue-Stronge Mfg. Co.,  
435-37 N. Broad st., Phila.

## Metal Furniture.

Edward Darby & Sons Co.,  
233 Arch St., Phila.

## Metal Tile.

American Perfectile Co.,  
1526 Sansom St., Phila.

## Marble Mosaic.

Belfi Bros. & Co.,  
20-22 S. 19th st., Phila.

## Metal Doors and Trim.

R. R. Hammond & Co.,  
Land Title Bldg., Phila.

## Mill Work.

Frank C. Snedaker & Co.,  
9th and Tioga sts., Phila.

## Mortar Colors.

Samuel H. French & Co.,  
4th and Callowhill sts., Phila.

## Mouldings (room and picture).

B. B. Funston, Inc. 146 N. 10th st., Phila.

## Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th St., Phila.  
Samuel H. French & Co.,  
4th and Callowhill sts., Phila.  
Pyramid Paint Co., 131 N. 22nd st., Phila.  
E E Nice 272 S. 2nd St., Phila.  
Jos. Dixon Crucible Co., 1020 Arch st., Phila.

## Parquetry Floors.

Andrew Pinkerton, 3034 W. York st., Phila.  
Keystone Hardwood Floor Co.,  
7 S. 16th st., Phila.

## Fritz & La Rue,

4800 Parkside ave., Phila.  
Thos. E. Sloan & Co., 802 Walnut st., Phila.

## Perfectile

The American Perfectile Co.,  
1526 Sansom st., Phila.

## Plaster.

J. B. King Co., Builders' Exchange, Phila.

## Plaster Board.

J. B. King Co., Builders' Exchange, Phila.

## Radiators.

H. B. Smith Co. 1225 Arch st., Phila.

## Ranges.

Bartlett & Co., 1938 Market st., Phila.  
Henry M. Miller, 40 N. 2nd st., Phila.  
Isaac A. Sheppard & Co.,  
Erie ave. and Sepviva st., Phila.

## Refrigerators.

Henry M. Miller, 40 N. 2nd st., Phila.

## Roofing Slate.

C. F. Shellenberger,  
Builders' Exchange, Phila.

## Roofing Slate (black and colored)

Wm. Moore Co.,  
Real Estate Trust Bldg., Phila.

## Roofing Tile.

C. F. Shellenberger,  
Builders' Exchange, Phila.  
O. W. Ketcham, Builders' Exchange, Phila.

## Real Estate and Mortgages.

Hazlett & Moss, 518 Walnut st., Phila.

## Safety Treads.

R. R. Hammond & Co., Land Title Bldg., Phila.

## Sanitary Flooring.

Woodoleum Flooring Co.,  
Betz Building, Phila.

## Sewer Pipe and Flue Linings.

C. F. Shellenberger,  
Builders' Exchange, Phila.

## Sash Pulleys.

American Pulley Co.,  
4200 Wissahickon ave., Phila.

## Soundings.

Ridpath & Potter Co.,  
Bourse Bldg., Phila.

## Slate—Roofing and Structural.

Wm. Moore Co.,  
Real Estate Trust Bldg., Phila.

## Stair Builders.

Frank C. Snedaker & Co.,  
9th and Tioga Sts., Phila.

## Structural Engineer

Conklin Engineering Co.,  
Heed Building, Phila.  
Harry C. Eisenbise, Penna. Bldg., Phila.  
Frank N. Kneas,  
1232 Race St., Phila.

## Terra Cotta (Architectural)

O. W. Ketcham, Builders' Exchange, Phila.

## Test Borings.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.,  
Bourse Bldg., Phila.

## Tile—Floor, Wall and Decorative.

Wm. Moore Co.,  
Real Estate Trust Bldg., Phila.  
The American Perfectile Co.,  
1526 Sansom st., Phila.

## Tile and Terrazza Work.

Belfi Bros. & Co., 20-22 S. 19th st., Phila.

## Wall Plaster.

J. B. King & Co., Builders' Exg'e, Phila.

## Water Heaters.

Bartlett & Co., 1938 Market st., Phila.

## Waterproofing Specialties.

The Franklin Paper Co.,  
718 Cherry st., Phila.

## Weather Strips (Metal).

Burcaw Real Estate Repair Co.,  
2325 N. 31st St. Phila  
National Metal Weather Strip Co.,  
Builders' Exch., Phila.

## Whitewashing.

William B. Southern,  
S. W. cor. 12th and Spruce sts., Phila.



# Advances Made To Builders

And Trust Funds  
to Loan on First  
Mortgages at Lowest  
Market Rates.

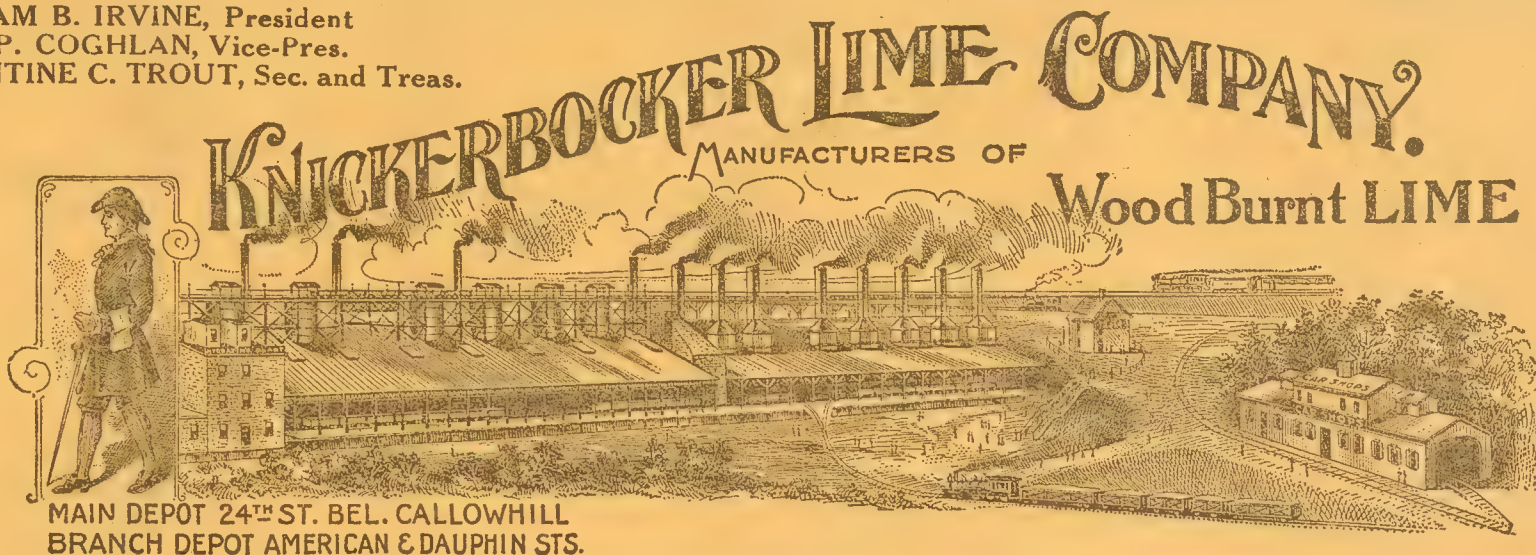
**Hazlett & Moss**  
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Vol. XXVII., No. 49.

PHILADELPHIA, WEDNESDAY, DECEMBER 4, 1912.

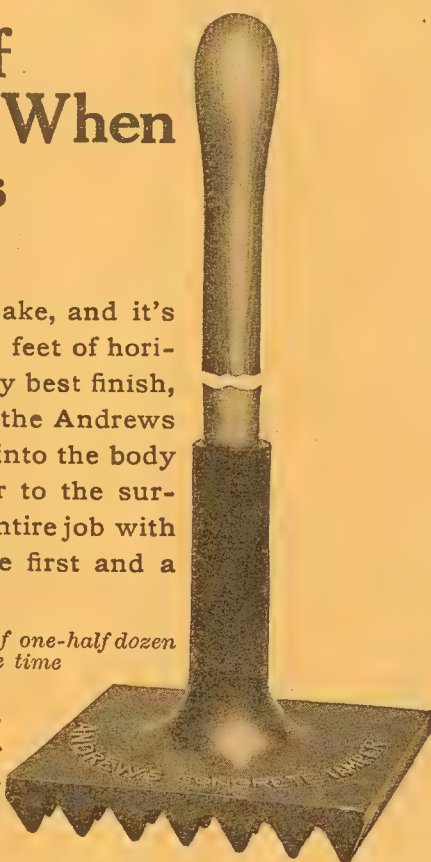
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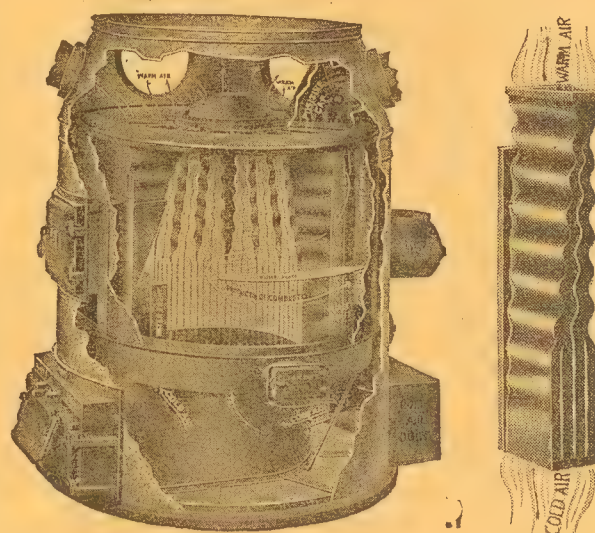
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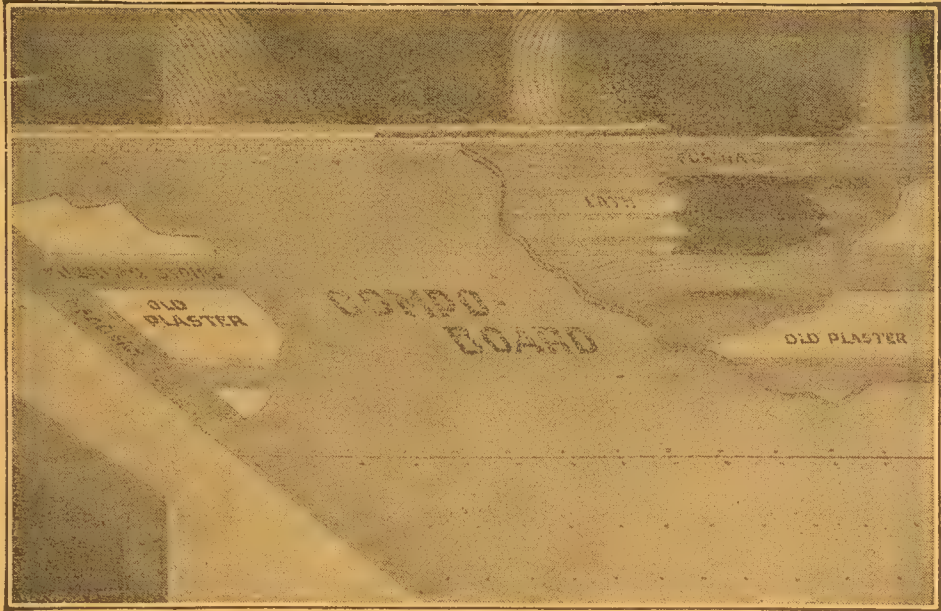
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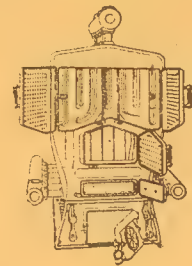
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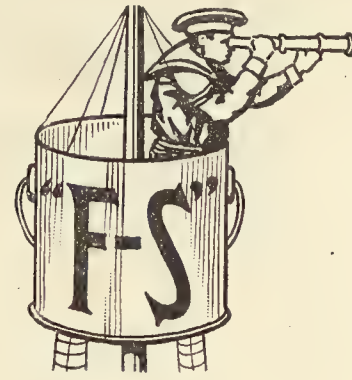
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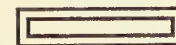
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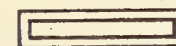


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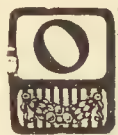
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THE PHILADELPHIA REAL ESTATE RECORD AND

# Builders' Guide

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXVII., No. 49.

PHILADELPHIA, WEDNESDAY, DECEMBER 4, 1912.

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## Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Y. M. C. A.**, 1720-1726 Christian street, \$100,000. Architect, Horace Trumbauer, Land Title Building. Owner, Y. M. C. Colored Branch, on premises. Brick and stone, four stories, 71x130 feet, Fisk & Co.'s, Dobbs buff and Kittanning bricks, granite and limestone, terra cotta, concrete and metal, fireproofing, slag, tile and copper roof (heating and electric lighting reserved). Architect taking bids, due December 5th at noon. The following are figuring: James G. Doak & Co., Crozer Building; A. Bottoms & Sons Company, 41 South Fifteenth street; H. E. Grau Company, 1707 Sansom street; Hoover & Sons, Builders' Exchange; Alex. Chambley, 243 South Tenth street; Harry Brocklehurst, 518 Norris street; Smith-Hardican Company, 1606 Cherry street; B. Ketcham's Sons, 1029 Brown street; A. Raymond Raff, 1635 Thompson street.

**Alumni Building**, Broad and Columbia avenue. Architects, Pileher & Tachau, 109 Lexington avenue, New York City. Owners, Keneseth Israel Congregation, care Leon Merz, Chairman, Third and Brown streets. Brick and limestone, two stories. Owners will take revised bids.

**Hospital Buildings**, Germantown, Pa. Architects, Harris & Richards, Drexel Building. Owners, Germantown Hospital. Consists of new laundry building, two stories, brick, 32x87 feet, and addition to kitchen, 30x35 feet. Granite and red face brick, concrete, fireproofing, slate roof, electric light, steam heat, central plant. Architects have received bids.

**Hospital (add.)**, York Road. Architects, Magaziner & Potter, 135 South Fifth street. Owners, Jewish Hospital, on premises. Brick and stone, three stories, consists of new ward building. Plans in progress. Too early for details.

**Hospital Buildings**, Old York road. Architects, Magaziner & Potter, 135 South Fifth street. Owners, Jewish Hospital, on premises. Consists of a group of new buildings. Plans in progress. Too early for details.

**Residence**, Haverford, Pa., \$30,000. Architect, Lindley Johnson, Harrison Building. Owner, Robert C. James, care of U. G. I. Co., Broad and Arch streets. Stone, two and one-half stories. Plans in progress.

**Sunday School and Alts. to Church**, Bloomsburg, Pa. Architect, George E. Savage, Witherspoon Building. Owners, First Presbyterian Church, Bloomsburg, Pa. Stone, two stories, 50x85 feet and 35x50 feet. Slate roof, steam heating, electric lighting. Plans in progress. Architect will take bids in about one month.

**Moving Picture and Store**, Richmond and Clearfield streets. Architect, E. Allen Wilson, 1208 Chestnut street. Owner, John G. Redmond, care of architect. Brick, two stories, 72x190 feet. Slag roof, steam heating, electric lighting. Plans in progress.

**Church**, Allentown, Pa. Architect, A. A. Ritcher, Colonial Trust Building, Reading, Pa. Owner, Salem Reformed Congregation, Allentown, Pa. Brick and stone, one story, 85x120 feet. Slate roof, steam heating Pennsylvania white granite, Vermont marble. Architect taking bids, due December 15th. Burd P. Evans & Co., Thirteenth and Wallace streets, and Thomas C. Trafford, 1613 Sansom street, are figuring.

**Theatre**, Seventh and Dickinson streets. Architects, Milligan & Pierson, 520 Walnut street. Owner's name withheld. Brick and terra cotta, one story, 60x140 feet. Concrete, fireproofing, slag roof, steam heating, electric lighting. Architects taking sub-bids on all lines.

**Residence**, Greenwich, N. J. Architects, Morris & Erskine, Crozer Building. Owner, Dr. A. H. Goodwin, Greenwich, N. J. Brick, two and one-half stories, 62x37 feet. Shingle roof, hot air heating. Revised plans in progress. Architects will take bids in one week.

**Banking House**, 1421 Walnut street. Architect, S. D. Hawley, 34 South Sixteenth street. Stone and brick, four stories, 18x96 feet. Pennsylvania white marble, Vermont marble,

concrete and hollow tile, fireproofing, steam heating, electric lighting, slag roof. Architect taking bids, due December 14th. The following are figuring: Doak & Co., Crozer Building; Ballinger & Co., 218 South Thirteenth street; A. Raymond Raff, 1635 Thompson street; John W. Emery, 1524 Sansom street; A. Whitehead, 124 Latimer street; Burd P. Evans & Co., Thirteenth and Wallace streets, and H. L. Brown, 1714 Sansom street.

**Apartment House**, Atlantic City, N. J., \$20,000. Architect, J. Fletcher Street, Drexel Building. Owner, Atlantic Building Company, Union National Bank, Atlantic City, N. J. Brick and hollow tile, three stories, slag roof, steam heating, electric lighting, six bath rooms. Owner taking sub-bids on all lines.

**Y. M. C. A. Building**, Johnstown, Pa., \$200,000. Architects, Seymour & Paul A. Davis, 1713 Sansom street. Owners, Y. M. C. A., Johnstown, Pa. Brick, stone and terra cotta and steel, fireproof, seven stories. Slag roof, steam heating, electric lighting. Plans completed. Architects will take bids in a few days.

**Cottage**, Harrington Lake, Northeast, Me. Architect, W. L. Blithe, 08 Chestnut street. Owner, William L. McLean, Bulletin Building. Frame, one story, 42x2 feet. Owner is taking sub-bids.

**Bank and Office Building**, Lima, Ohio. Architects, McLaughlin & Hulsken, Lima, Ohio. Owners, H. G. and William Wemmer and Allen County Savings and Loan Company, Lima, Ohio. Brick and reinforced concrete, six stories, 81x72 feet. Slag roof, steam heating, electric lighting. Architects taking revised bids, due January 7th, 1913. Charles McCaul Company, Tenth and Sansom streets, are figuring.

**Wall**, Chestnut Hill, Pa. Architect, J. Fletcher Street, Drexel Building. Owner, J. L. Woolston, 164 West Cheltenham avenue. Stone, 800 feet long. Architect taking bids. The

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**Residence**, Moreland avenue and Navahoe street, Germantown. Architects, Harris & Richards, Drexel Building. Owner, Henry L. Davis, Jr., 423 West Stafford street, Germantown. Stone, two and one-half stories, 37x70 feet. Electric light slate roof. Architects will be ready for bids in a few days.

**Garage** (add.), Twenty-first and Venango streets. Architects, Stearns & Castor, St. Girard Building. Owner, G. K. Davidyan,

1318 Chestnut street. Stone, two stories, slag roof, electric light, steam heat. Architects have received bids.

**Fire Tower**, 1407 Jefferson street. Architects, Anderson & Haupt, Drexel Building. Owners, W. Greenfield, Real Estate Trust Building. Brick and iron, slag roof, electric light. Owners taking bids, due November 29th. Smith-Hardican Company, 1606 Cherry street, and John Maginnis, 514 Walnut street, are figuring.

**Passenger Station**, Linden, N. J. Architect, William H. Cookman, Broad Street Station. Owners, Pennsylvania Railroad Company, Broad Street Station. Hollow tile and plaster, one story, 73x21 feet, red tapestry brick, vapor vacuum heating, slate roof. Owners taking bids, due December 5th, 10 A. M. The following are figuring: H. E. Grau Company, 1707 Sansom street; F. A. Havens & Co., 845 North Nineteenth street; Wiggins & Co., Heed Building; Irwin & Leighton, 126 North Twelfth street; Roydhouse-Arey Company, Fidelity Building; Jacob Myers & Sons Co., Witherspoon Building; Enos L. Seeds, 6314 Wissahickon avenue; J. S. Rogers Company, Stanwick, N. J.; Wills & Marvin Co., 1170 Broadway, New York City, and H. Byrnes Building Company, Elizabeth, N. J.

**Ball Park** (alts.), Twenty-first and Lehigh avenue. Architects, William Steele & Sons Co., 1600 Arch street. Owners, American League Baseball Club of Philadelphia, on premises. Concrete and steel. Consists of new bleachers and alterations to grand stand. Plans in progress. Sub-bids will soon be taken.

**Residence**, McKean and Clappier streets. Architects, Druckenmiller, Stackhouse & Williams, Land Title Building. Owner, Rushton Marot, 212 Race street. Stone, two and one-half stories, 50x60 feet, shingle roof, hot water heating, electric lighting, hardwood floors. Plans in progress. Architects will take bids in one week.

**Theatre**, Sixtieth and Locust streets. Cost, \$75,000. Architect, Albert E. Wesover, Keith Building. Owners, Garden Amusement Company, care of William S. Furst, Stephen Girard Building. Brick, terra cotta and steel, fireproof, two stories. Plans about completed. Architect will take bids in about ten days.

**Bakery** (alt. and add.), 4310 Frankford avenue. Architect, Charles Balderston, 411 Walnut street. Owner, Gustav Becker, on premises. Brick, two stories, slag roof. Architect taking bids due December 9. The following are figuring: F. B. Davis, 35 South Seventeenth street; H. E. Grau Company, 1707 Sansom street; H. C. Rea Company, 1027 Wood street; Haiback Contracting Company, Twenty-sixth and Thompson streets; George Gray, 4340 Factory street.

**School**, Third and Mifflin streets. Cost, \$400,000. Architect, J. Horace Cook, Land Title Building. Owner, Board of Education. Brick, limestone, terra cotta, steel and concrete, fireproof, four stories, 112x279 feet, slate and slag roof, electric lighting, steam heating, enamel brick. Owners taking bids due December 6, at 2.30 P. M. The following is the complete list of bidders: Doak & Co., Crozer Building; Cramp & Co., Denckla Building; B. Ketcham's Son, 1029 Brown street; H. H. Wehmeyer, 1004 Lehigh avenue; Sax & Abbott Construction Company, Hale Building; Thomas Reilly, 1618 Thompson street; John W. Emery, 1522 Sansome street; J. E. & A. L. Pennock, Land Title Building.

**School** (add.), Fifty-eighth and Willow avenue. Architect, J. Horace Cook, Land Title Building. Owner, Board of Education. Stone, three stories, two wings, electric lighting, steam heating. Owners taking bids due

December 6, at 2.30 P. M. The following is a complete list of bidders: B. Ketcham's Son, 1029 Brown street; David Peoples, Fidelity Building; H. H. Wehmeyer, 1004 Lehigh avenue; Sax & Abbott Construction Company, Hale Building; H. E. Baton, Tenth and Sansom streets; P. J. Hurley, 1233 Cherry street; Mitchell Bros., 2125 Race street; E. H. Sturts, 2614 Ridge avenue; John W. Emery, 1524 Sansom street; F. W. Van Loon, Denckla Building; Wayne Contracting Company, 1212 Filbert street; Lucas Peters, 3542 North Carlisle street.

**Y. M. C. A. Building**, Atlanta, Ga. Architects, Shattuck, Hussey & Brown, Atlanta, Ga. Owner, Y. M. C. A. of Atlanta, Ga. Brick, limestone, terra cotta and steel, fireproof, ten stories, 113x158 feet, slag roof, interior marble (heating and electric work reserved). Architects taking bids due December 16. The following is a complete list of bidders: Metzger & Wells, Heed Building; J. E. & A. L. Pennock, Land Title Building; Charles McCaul Company, Tenth and Sansom streets; Merrick Fireproofing Company, 1 Broadway, New York City; King Lumber Company, Charlottesville, Va.; Interstate Construction Company, 1407 North Niagara street, Saginaw, West Side, Mich.; Consolidated Engineering Company, Emerson Tower, Baltimore; Edgefield & Nashville Mfg. Company, Nashville, Tenn.; George A. Fuller Company, Empire Building, Atlanta, Ga.; James Alexander Construction Company, Memphis Trust Building, Memphis, Tenn.; Griffin Construction Company, Candler Building, Atlanta, Ga.; Miles & Bradt, Austell Building, Atlanta, Ga.; Witherspoon-Englar Company, Monadnock Block, Chicago, Ill.; Donaldson & Pearson, 2 Wall street, Atlanta, Ga.

**Residence**, Radnor, Pa. Architects, Karchner & Smith, Crozer Building. Owner, Mrs. Allen J. Smith, Thirty-ninth and Locust streets. Stone and frame, two and one-half stories. Plans in progress.

**Banking Offices** (alts.), southeast corner of Fifteenth and Walnut streets. Architect, Charles Barton Keen, Bailey Building. Owners, Penington, Colket & Co., 608 Chestnut street. Consists of interior alterations to first floor for brokers' offices. Plans in progress.

**Store and Apartments** (alt. and add.), 1829 Chestnut street. Architects, Sauer & Hahn, 1114 Chestnut street. Owner, Roy & Heyman, Land Title Building. Brick, four stories, slag roof, steam heating. Plans in progress.

**Church, Parish House and Rectory**, Sixty-fourth and Haverford avenue. Architects, Duhring, Okie & Zeigler, Bailey Building. Owner, St. Barnaba's P. E. Church, care of Rev. William Smythe, 6400 Haverford avenue. Stone, two and one-half stories, 25x55 feet and 53x177 feet, and 45x90 feet. Slate roof (steam heat, electric lighting reserved). Revised plans in progress.

**Flat House**, Emlen street, Germantown, Philadelphia, \$300,000. Architects, John D. Allen Company, Denckla Building. Brick, stone and terra cotta, four stories, 145x380 feet. Owners ready for sub-bids.

**Office Building and Exchange**, Erie, Pa. Architect, b. T. Windrim, Commonwealth Building. Owners, Bell Telephone Company of Pennsylvania, Thirteenth and Arch streets. Brick, four stories, 39x65 feet. Hollow tile, fireproofing, steam heating, electric lighting. Architect taking bids, due December 16th. Charles McCaul Company, Tenth and Sansom streets is figuring.

The man that doesn't advertise nowadays is a barnacle. And he ends up like a barnacle by being scraped off.



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## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Fire House**, Cheltenham and Germantown avenues. Architect, C. B. Zilenziger, City Hall. Owner, City of Philadelphia. Brick and marble, two stories, 54x73 feet, enamel brick, slag roof, steam heating, electric lighting. Four low bidders as follows: John W. Emery, \$33,432; H. E. Baton, \$33,461; George & Borst, \$33,943; Doak & Co., \$34,446.

**Factory**, Front and Federal streets, Camden, N. J., \$25,000. Architect, J. C. Jefferis, 1001 Chestnut street. Owners, Collings Carriage Company, Front and Market streets, Camden. Brick, three stories, 90x100 feet, slag roof, electric lighting. Contract awarded to J. F. McCloskey, 210 New street.

**Residence**, Atlantic City, N. J., \$8,000. Architect, J. Fletcher Street, Drexel Building. Owner, Thomas J. Endicott, Atlantic City, N. J. Brick and frame, two and one-half stories, slate roof, hot water heating. Contract awarded to Atlantic Building Company, Union National Bank Building, Atlantic City, N. J.

**Stable**, Walnut lane and Main street. Architects, Peuckert & Wunder, 310 Chestnut street. Owner, Robert Krook, on premises. Brick, two stories, 23x55 feet, slag roof. Contract awarded to E. L. Cuthbertson, 334 Roxborough avenue.

**Building (alt. and add.)**, 200 South Fifteenth street. Architects, Baily & Bassett, 421 Chestnut street. Owner's name withheld. Brick, three stories, steam heating. Contract awarded to Smith-Hardican Company, 1606 Cherry street.

**Warehouse**, West Reading, Pa. Architects, Savery-Scheetz & Savery, Land Title Building. Owners, Crew Levic Oil Company, Land Title Building. Brick, two stories, slag roof. Contract awarded to Beard Construction Company, Reading, Pa.

**Armory (alt. and add.)**, Phoenixville, Pa. Owner, State of Pennsylvania, Battery "C," Phoenixville, Pa. Architect, Philip H. Johnson, Land Title Building. Brick and concrete, two stories, steam heating, electric

lighting. F. H. Keiser, Pottstown, Pa., submitted the lowest bid.

**Printing House**, Norris and Trenton avenue. Architect, A. Dunlap, 2424 North Marshall street. Owner, Benedict Shaw, Trenton and Adams streets. Brick, two stories, 30x75 feet, granite, red bricks, steam heating, slag roof, electric lighting. Contract awarded to Koelle-Speth Company, Twenty-sixth and Oxford streets.

**Garage**, Wissahickon avenue and Westview street. Architects, Duhring, Okie & Zeigler, Bailey Building. Owner, W. Marriott Canby, Land Title Building. Brick and stone, one story. Contract awarded to W. John Stevens, Wyncote, Pa.

**Residence (alt. and add.)**, Haverford, Pa. Architect, Oliver Randolph Parry, 1723 Chestnut street. Owner, Dr. B. C. Giles, 1728 Chestnut street. Plaster and frame, two and one-half stories, 30x63 feet. Hardwood floors, electric light, hot air heat, shingle roof. Contract awarded to Oscar E. Lobb, Llanerch, Pa.

**Office Building**, Bryn Mawr, Pa. Architect's private plans. Owner, Adams Express Company, 630 Chestnut street. Frame, one story, slate roof, electric lighting (heating reserved by owner). Contract awarded to Armstrong & Latta Company, Land Title Building.

**Post Office (remodeling)**, Harrisburg, Pa., \$100,000. Architect, Oscar Wenderoth, Treasury Department, Washington, D. C. Owners, United States Government, Treasury Department. Brick and stone, one story, 46x121 feet, fireproof, tin roof, steam heating, electric lighting. Contract awarded to J. E. & A. L. Pennock, Land Title Building.

**Residence**, Overbrook, Pa. Architects, Mellor & Meighs, Lafayette Building. Owners, Wendell & Wright, Overbrook, Pa. Stone, two and one-half stories, 50x25 feet. Shingle roof, hot water heating, hardwood floors, electric lighting. Contract awarded to Alfred James, Bala, Pa.

avenue. Cost, \$4,500. Dwellings, stone and frame, 19x16 feet.

Adam Lotz (O), 7673 Germantown avenue. Koelle-Speth Company (C), Twenty-sixth and Oxford streets. Dwelling, stone, two stories, 63x33 feet. Cost, \$4,000. Germantown and Mermaid avenues.

Frank J. O'Donnell (O), Broad street and Cheltenham avenue. Henry P. Schneider (C), York Road and Erie avenue. Cost, \$1,200. Garage, brick, 30x20 feet, Broad and Cheltenham avenue.

James McCrea (O), 123 East Moreland avenue. Cost, \$10,000. Two residences, brick, three stories, 16x48 feet, 112-114 East Moreland avenue.

Richard Krebs (O), 5206 Broomall avenue. J. B. Ratcliff (C), 5407 Delancey street. Cost, \$1,000. Stable, brick, one story, 25x50 feet, 5206 Broomall avenue.

M. H. Reigel (O), 5513 North Second street. Cost, \$4,000. Two dwellings, brick, two stories, 15x47 feet, Wintz and Mascher streets.

Drehman Paving Company (O), 2625 Parrish street. Cost, \$4,000. Two dwellings, brick, two stories, 14x27 feet, 2627 and 29 Parrish street.

H. D. Caluser (O), 2617 Germantown avenue. Philadelphia Building & Construction Company (C), 3251 Germantown avenue. Cost, \$4,500. Two stories, brick, one story, 20x60 feet, 3521 and 33 Germantown avenue.

Harry F. Harting (O), 7403 G street. Cost, \$3,000. Two dwellings, brick, two stories, 14x39 feet, K and Bleigh streets.

Mary Mashodu (O), 3717 Pulaski avenue. Joseph Mashodu (C), 3717 Pulaski avenue. Garage and stable, 28x16 feet, brick.

John Morris (O), 2223 Ridge avenue. Cost, \$2,000. Store and dwelling, brick, two stories, 18x78 feet, 1721 North Croskey street.

W. Keawitz (O), 3040 Kensington avenue. Roland Ball (C), 3128 Reach street. Garage, two stories, 100x30 feet, brick, Ruth and Clearfield streets. Cost, \$3,000.

Produce Brokers Company, Ltd. (O), London, E. C. J. Richard Jackson (C), Perry Building. Warehouse. Cost, \$20,000. Stone brick and concrete, two stories, 100x50 feet, Swanson and McKean streets.

Joseph R. Foster & Sons (O), Second and Clearfield streets. Frank Ashuff (C), 1600 North Front street. Cost, \$2,500. Dye house, concrete, one story, 41x52 feet, Second and Clearfield streets.

W. B. Smith (O), Overbrook, Pa. M. W. Young (C), Overbrook, Pa. Cost, \$2,200. Garage, stone and brick, 25x43 feet, Sixty-sixth and Woodbine avenue.

Great Eastern Smelting and Refining Works (O), Snyder avenue and Swanson street. Shed, sheet iron, 100x50 feet, Swanson and Ritner streets. Cost, \$700.

Brehm & Stahle (O), Allegheny and Trenton avenues. Brehm & Stahle (C), on premises. Cost, \$12,000. Storage, stone and brick, 56x160 feet, Wilte street and Allegheny avenue.

John Brenna n (O), 3927 Fairhill street. Cost, \$3,200. Two dwellings, stone and brick, 14x27 feet, Fairhill street and Pike street.

Many a man has a "Do It Now" motto over his desk and cobwebs on his brain and dust on the desk.

For every "one" man you can mention who has succeeded without advertising we'll agree to name ten whose greater success has been due to advertising "direct," Moral Advertise!

## Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

A. L. Brown (O), 3927 Market street. W. E. James (C), 3929 Market street. Stable, two stories, brick, 28x51 feet. Cost, \$1,200.

Benedict Shaw (O), Trenton avenue and Adams street. Koelle Speth Company (C), Twenty-sixth and Oxford streets. Printing house. Cost, \$75,000. Brick, two stories, 30x75 feet.

Harry Landsner (O), Eighth and Master

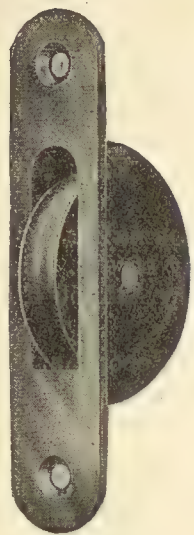
streets. Joseph Neuman (C), 1029 Jackson street. Cost, \$3,000. Store and dwelling, brick, three stories, 16x47 feet, northeast corner of Eighth and Master streets.

William Barr (O), Eighth and Oakland avenue. Norman L. Barr (C), Fifth and Oakland avenue. Cost, \$4,500. Dwelling, three stories, stone and frame, 27x54 feet, northeast corner of Thirteenth street and Sixty-fifth



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structible, and are cheaper,  
lighter and better fin-  
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Your salesman would consider himself  
fortunate to get **ONE TEN-MINUTE INTER-  
VIEW** with a busy architect **IN THREE  
MONTHS**. We **REACH** and **TALK DIRECT**  
to men of this calibre **FIFTY-TWO WEEKS  
IN THE YEAR!**

If you fail to place "The Guide," Mr.  
Ad-Man, on your fall and spring list you are  
making a mistake you will live to regret.  
Few papers in the architectural field surpass  
"The Guide" in the matter of getting re-  
sults for its advertisers.

**R. R. HAMMOND & CO.,** - - Land Title Building, Phila., Pa.

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All Steel Doors, Interior Finish, Mouldings, Trim, etc.

## Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the  
Structural Industries—What is Happening in Trade and Architectural Circles.

\*\*The Brooklyn committee on new city  
plan has gone on record as favoring a 180-  
foot boulevard on Kings Highway, from  
Ocean avenue to Clarkson street. Chief En-  
gineer Nelson P. Lewis says some of the  
most beautiful highways of the world, such  
as the Avenue Louise in Brussels, leading to  
the exposition grounds, are only 183 feet  
wide, and others less in width, and he thinks  
that 180 feet will be found to be practicable  
for all intents and purposes.

\*\*Highway improvement, one of the most  
vital questions before the United States, will  
engage the attention of the foremost public  
officials and expert road builders in the coun-  
try during the four days of the ninth annual  
convention of the American Road Builders'  
Association, at Music Hall, Cincinnati, O.,  
December 3 to 6. Nelson P. Lewis, chief  
engineer of the Board of Estimate and Ap-  
portionment of New York City, is the pres-  
ident of the American Road Builders' As-  
sociation.

\*\*The Second National Conference on  
Housing will be held in Philadelphia on De-  
cember 4, 5 and 6. Philadelphia was selected  
this year, according to a statement issued  
by the National Housing Association, be-  
cause it has more to show the housing work-  
ers of the country in the way of constructive  
effort than any other American city. In its  
multitude of small houses, the absence of  
tenements, its economical and advantageous  
lot units, its system of minor streets, its Oc-  
tavia Hill Association for improving the older  
houses, it is unique.

\*\*A timely pamphlet issued by Borough  
President Cyrus C. Miller, of the Bronx, bears  
the title "Public Markets and the Water-  
front Problem." It contains a report by  
Amos L. Schaefer, consulting engineer of the  
Bronx, which offers a new solution of the  
lower West Side freight question. The re-  
port advocates leaving the railroad on the  
street surface, but elevating the street sur-  
face.

\*\*The annual meeting of the New York  
Lumber Trade Association, held at 18 Broad-  
way, November 15, re-elected Russell J. Per-  
rine president, John F. Steeves first vice-  
president, Frederick W. Starr second vice-

president, and Charles F. Fischer treasurer.  
In the course of his annual address Presi-  
dent Perrine said that what general busi-  
ness needs at present is emancipation from  
politics. On November 13 the New York  
Lumber Trade Association completed its  
twenty-sixth year. At the present time the  
membership stands as follows: Retailers, 99;  
wholesalers, 85, and non-resident, 17; total,  
201.

\*\*The regular annual meeting of the Retail  
Lumber Dealers' Association of the State of  
New York will be held at the Hotel Utica,  
Utica, N. Y., on January 29 and 30.

\*\*W. Johnson, 105 West Fortieth street,  
Manhattan, has plans in progress and is tak-  
ing estimates for the erection of a seven-  
story office building, theatre and roof gar-  
den in Market street, between Halsey and  
Washington streets, Newark, N. J., for F.  
F. Proctor, of 88 Park Place, Newark. The  
office building will have dimensions of 34x100  
feet, and the theatre will cover a plot 80x153  
feet, with a roof garden affording a seating  
capacity of 4,000. Plans are also being pre-  
pared by Hooper X Co., of 118 Market street,  
for a large central market building to be  
erected along Broad and Canal streets, of  
brick, limestone, steel and reinforced con-  
crete, two stories in height, covering a plot  
127x505 feet. The Common Council of New-  
ark will erect the building. The cost is esti-  
mated at \$400,000.

\*\*The proposed improvement by the Amer-  
ican Express Company of its property at 63-  
65 Broadway, New York, with a tall office  
building, which has been under contempla-  
tion for the last two years and held over in-  
definitely, may now soon be started. It was  
learned upon good authority that a firm of  
architects have been retained to design the  
plans and that the general contract has prac-  
tically been awarded to a well-known build-  
ing firm of this city. The site fronts 79.3  
feet on Broadway and runs through to Trin-  
ity Place 210.4 feet in depth. It adjoins the  
Empire Building on the north and the new  
Adams Express Building which will be erect-  
ed on the southerly end of the block.

\*\*The Apollo Sheet Steel Company, Apollo,  
Pa., expects to have its new plant in opera-



**PARADUX CANVAS ROOF COVERING****For Covering Porches, Decks, Roof Gardens, etc.****PARADUX is the Ideal Covering for all Roofs on which Continual Walking is done.****Send for Sample and Prices****THE FRANKLIN PAPER CO., Inc., 718-720 Cherry Street, Phila.***Distributing Agents*

ation by January. The company will make black and galvanized sheets.

\*\*The outlook in Pittsburgh now is that the contractors and all others interested in building construction will have a representative organization behind them.

At a recent meeting of the Manufacturers and Contractors' Club the question came up as to the feasibility of combining the two organizations, making the one body such as would truly represent the building trades in all branches. Robert K. Cochrane, president of the Builders' Exchange, was in attendance and gave his views in a most concise manner, stating that by joining together better results would be attained, not only as to point of regular attendance, but in all matters pertaining to the welfare of the exchange. Joseph A. Weldon, Scott A. White and others present discussed the question from all angles.

A committee composed of G. H. Danforth and J. A. Weldon, of the Manufacturers and Contractors' Club, and President Cochrane and Vice-President Trimble, of the Builders' Exchange, has been appointed by the directors of the two organizations to formulate a plan for the rehabilitation of the two clubs. The appointment of the committees and a desire for improved efficiency in the organizations was discussed generally, but no action will be taken until the committees have had an opportunity to render a report. Pittsburgh builders have the opportunity to make the proposed new organization one of the strongest in the country and which will prove to be of material assistance not only from a business standpoint, but social as well.

\*\*William H. Bogart, architect, 250 Jackson avenue, Jersey City, N. J., desires samples and catalogues of brick and tile and catalogues of lighting fixtures and supplies.

\*\*The Eller Manufacturing Company, Canton, Ohio, in order to take care of its rapidly extending business, is planning the erection of a new plant. A site has been secured at Camden avenue and the Pennsylvania Railroad. The building will be one story in height, 300x280 feet.

\*\*J. F. Sullivan, manager of the New York branch of the N. & Taylor Company, Philadelphia, died September 30, after a brief illness. Mr. Sullivan was the New York branch manager for thirteen years, and was in his 52 year. He was one of the best-known tinplate salesmen in Greater New York. Clifford H. Kimball, his former assistant, succeeds him in the direction of the New York office of the company.

\*\*City Forester James L. Grimes, of the Pittsburgh Tree Commission, has planned a

unique campaign for the co-operation of the people in making Pittsburgh beautiful. He believes that by putting the beautification of private properties in various parts of the city on a competitive basis, he will be able to accomplish pleasing results. He proposes to appeal to property owners to clean up their back yards and plant shrubs. In addition to this, the plan will embrace also the improvement of front yards. It is proposed to offer prizes to stimulate interest. This fall more than 2,000 shade trees have been planted, the majority of them having been placed on short streets. In the spring, however, more attention will be given to hillside streets, and at least 3,000 trees will be placed. Among the thoroughfares to receive attention will be the new South Eighteenth Street Boulevard. The commission has thousands of trees in the city nurseries.

\*\*The Universal Portland Cement Company and other large manufacturers of cevising contractors who purchase cement in carload lots to buy it in bulk. Even where cloth bags are returned, it is estimated that the cost of handling, accounting, etc., amounts to about 20 cents per barrel, an item well worth saving. The manufacturers maintain that the only time when cement in sacks is of advantage is where the material is to be stored and rehandled. When the cement is used directly from the cars to the mixer, there is every reason why it should be handled in bulk.

\*\*Two big companies to develop native asphalt and hydrocarbon deposits of Utah and promote use of native asphalt in street and road improvement work in the State filed articles of incorporation with the Secretary of State and the County Clerk of Salt Lake, Utah. The Utah Hydrocarbon Company is organized for the purpose of prospecting for, developing and working native asphalt and hydrocarbon beds. The Utah asphalt Company is organized for handling the products of the mines and beds to be developed by the former corporation. The first company is capitalized for \$350,000 in shares of \$1 each and the incorporators are principally Salt Lake business men. The officers are O. K. Lewis, president; M. R. Evans, vice-president, and J. H. Richards, secretary and treasurer. The same incorporators and the same officers serve the second company, but it is capitalized for \$700,000 in shares of \$1 each.

\*\*Announcement is made that Francis F. Longley, Assoc. M. Am. and Can. Soc. C. E., who has been connected with Hazen & Whipple, consulting civil engineers, in their work at Watertown, Washington and Toronto, has been admitted to partnership with the above-named firm. Mr. Whipple, who last year be-

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came professor of sanitary engineering in Harvard University, retains his membership in the firm and is still open to professional engagements.

**RECENT TRADE LITERATURE.**

In the November number of house organ known as the "Edwards Metal Sheet" appears the eighth article in the series by Mr. E. W. Edwards, president of the Edwards Manufacturing Company, describing his journey around the world. The present article describes the trip to Calcutta, with its many objects of interest, and to Benares, the "Sacred City of the Hindoos."

\* \* \*

A little story in rhyme in the current issue of the Cortright Metal Shingle Advocate is entitled "Pa Changes His Mind." An editorial on roof endurance, several illustrations of modern residences and a collection of witty "Cortright Shinglings" make up a very interesting number. Write to the Cortright Metal Roofing Company, 50 North Twenty-third street, Philadelphia.

\* \* \*

A useful trade souvenir is being sent out by the Kelsey Heating Company, Syracuse. It is a magazine pencil, designed to last indefinitely. Contractors who have not received one of these pencils should write the Kelsey Heating Company.

**LAMP BLACK AND CONCRETE SIDEWALKS.**

Sometimes the objection is raised to concrete as a sidewalk and paving material on account of its reflection of light and heat in hot weather. This is a fault that can be inexpensively and readily remedied. The ordinances of many cities and towns require that lamp black be mixed with the cement for the finishing coat which entirely does away with the discomfort this reflection causes. One or two pounds of lamp black per sacks of cement is sufficient, although careful mixing is essential to get a uniform color throughout the entire mix. No loss of strength in the concrete follows its use.

Play-it-on-a-hunch advertising is not the kind that wins out. The steady, persistently repeated note of appeal is what tells.—Cement World.



## Sphinx Tapes

STEEL AND METALLIC

Can be absolutely depended upon for Strength, Accuracy and Durability. All lengths. All graduations.

**F. Weber & Company**

Drafting and Engineering Supplies  
Philadelphia, Pa.

Catalogue upon request

We Solicit Your Rush Work in BLUE PRINTING

### THE BUNGALOW.

The ants are in the butter dish, the flies are in the cream,  
The only water we can get is carried from the stream;  
The farmers will not sell their eggs, they say they salt them down,  
And all their fruit and vegetables they send away to town.  
The planks beneath our rugs are full of cracks, both deep and wide,  
And snails and slugs and crawling bugs come creeping up inside.  
I found a caterpillar once encamped upon my toe,  
But that is what you must expect when in a bungalow.

We cannot sit upon the porch, a hornet's nest is there,  
At every sound they all come out with fierce and angry air;  
The shingle roof is leaky, too, you wake and find the bed  
Is soaking from the shower bath in action overhead.  
My face and arms are all tattooed with raw mosquito bites,  
And concerts by the owls and frogs make horrible the nights;  
But when we write to city friends we say:  
"Why don't you go  
And buy an acre in the woods and build a bungalow?"

### STORAGE AND CARE OF CEMENT. WALKS.

Cement must be stored in places which are and can be kept absolutely dry. Upon the proper storage of cement are dependent the reputations of the maker, contractor and builder, the trade of the local dealer and the satisfaction of the user.

Never pile cement on the ground or on bricks. Even if it be a small job, throw down a few blocks, lay boards upon them and make a dry floor for the cement. Have just enough cement on the work to keep things going. Always buy cement from the dealer who has a dry storehouse.—"Universal Bulletin."

You can't hire loyalty; you have got to deserve it.—Ex.

## DISCIPLINE THE MASTER KEY OF BUSINESS

By Edward F. Croker, ex-chief New York Fire Dept.

What is the most important factor in the conduct of any business, large or small—Discipline. To the large manufacturer or the large retailer of whatsoever kind he may be, the most important part of his organization is the establishment of a thoroughly efficient corps of assistants from the smallest office boy to his chief of staff and himself. The large dealer, whether manufacturer, jobber, retailer, must do three things for the successful conduct of his business—organize, deputize, supervise. In the majority of cases these considerations are well understood as sine qua non, but there is one very important division of their supervision which has been in too many cases entirely overlooked, and that is the protection of their property from fire by a thorough organization of their entire force into a unit. Wherever civilized man s there must be fire; wherever fire is there is always danger, and in the larger places of business without discipline on the part of the head of that establishment and of every individual member thereof, that danger becomes a peril, and that peril, in far, far too many cases has developed into absolute destruction not only of material and time and opportunity, but of life also, and the scattering of the establishment of a large concern means a very serious loss in time and efficiency to any dealer, wherever he may be. The fire peril in this country is out of all proportion to that obtaining in any other civilized country on the face of the earth, and it is largely due, not so much to the faultiness of construction or the inefficiency of apparatus provided, as to the lack of efficiency upon the part of the man on the spot to understand and appreciate that all fires are the same size at the start and that the moment of inception is the moment for successful effort. Every large dealer of whatever kind spends hours and months and years in thought and effort to bring by discipline his establishment to the highest point of efficiency, and this is a work that on his part must never cease, but however well equipped he may be from the commercial point of view to link his people into an efficient unit for sale or manufacture, he is helpless, by reason of lack of training to discipline them in the methods by which his property may be saved, his establishment kept intact and the lives of his employees protected from the most dangerous and rapidly destructive of all elements, which is an essential of civilization—fire. It is incumbent upon every large dealer, and, indeed, upon everyone, to realize the fact that not only economies but ethics require that his whole force should be so disciplined and taught that when the call comes they may, almost by intuitive and subconscious action, be welded at once into a steady poised, skilled and fearless unit fit for mutual and gen-

eral protection against the most dangerous element which man has to employ in the process of his affairs—fire. The man (or the establishment) who can offer a trained service of the highest possible efficiency for the disciplining of any force of employees and officers against a peril which is liable at any moment to occur is entitled not only to the remuneration such service brings, but also to the highest and most grateful appreciation of each individual in interest and of the entire community as well. Every big dealer, of whatsoever kind, owes it to himself, to his business and to his community to study this matter from all points of view, and indeed it should require very little study. The duty is obvious and should compel. No one man lives to himself, not even a hermit. No one manufacturer or dealer is independent of the rights of his neighbor and the rights of the community. No community is stronger than the sense of responsibility on the part of its individuals. The big manufacturer or big merchant in any town possesses a double duty, not only that constantly obtaining between man and man, and citizen and citizen, but from the very prominence of his position he owes it to the balance of the community that he should set an example in efficiency in the protection of his property and in safeguarding lives that are committed virtually to his charge in his buildings and that example must react upon that community with surprisingly good effect and with no end of gratification to those that establish it. Fancy one of our great department stores on a big bargain day—floors, aisles, stairways, elevators jammed to capacity—a cry of fire, and—terror, rush, blind, mad, desperate, death dealing—a clear, high compelling call from twenty different centers, notes of command, numbers of forms, men and women, poised, confident, self-contained, wits and courage gathered, controlled with the power of knowledge and the knowledge of power and the frenzy of that mob is assuaged, it finds itself directed, encouraged, almost calmed and it goes as under like conditions go school children properly led to safety.

"I was going to place my order with Blank & Co.," writes an out of town subscriber, "but failing to find their advertisement in your pages, concluded that the firm was of small importance." The firm that bagged the order is comparatively new to the trade, but as a regular advertiser in the home trade paper was able to make an impression that all the accumulated prestige of the older house was unable to overcome. Moral: Advertise.

Ever try a "Want" ad. in The Guide? Gets the goods every time.



## NATIONAL HOUSING ASSOCIATION

The Second National Conference on Housing in America will be held in Philadelphia December 4-6. The meeting promises to be even more successful than that of a year ago, when 61 cities were represented.

The program reflects the growth of the movement during the past year. It is now recognized that bad housing conditions are not confined to a few great cities, but may be found even in the smaller towns and villages. Massachusetts has taken the lead in providing a method for curing or preventing such rural and suburban ills by the enactment last spring of a housing law for towns which has already been adopted by several of the smaller municipalities. Elmer S. Forbes, one of the men most active in securing the passage of this law, will present the subject. Other points of view will be given by Otto W. Davis, assistant secretary of the Minneapolis Civic and Commerce Association, a leader in the victorious campaign for a housing law in Columbus, O.; J. J. Weber, secretary of the Civic Association of Englewood, N. J.; Frank Tucker, of the City Club in New Rochelle, and by a member of the Main Housing Association, which is now fighting to clear out the little slums that have been found in each of Philadelphia's most beautiful suburbs.

Another evidence of growth during the year is the interest which health officers have come to take in the housing problem. The work of some of their leaders has shown clearly that if they wish to reduce the death rates of their communities they must maintain a sanitary standard for housing. This was emphasized at the American Public Health Association conference and the International Congress on Hygiene at Washington this fall. So one of the most important discussions at Philadelphia will be on the relation between health departments and housing. Charles B. Ball, chief sanitary inspector of the Chicago Health Department, will present the subject, and the debate will be opened by Dr. Charles J. Hastings, medical health officer of Toronto; C. Hampson Jones, assistant health officer of Baltimore; Dr. James Roberts, medical health officer of Hamilton, Ont., and Bernard J. Newman, secretary of the Philadelphia Housing Commission.

Closely allied to the work of the health officer is that of the instructive sanitary inspector, whose duty it is to teach the newly-arrived immigrant something of the Ameri-

can standard of living. Many zealous converts to the cause of housing betterment have been discouraged by the apparent indifference of those whom they wished to aid. Mrs. Johanna Von Wagner, who cleared up the notorious house courts of Los Angeles, and who has just completed an investigation of the other California cities, will describe the methods she has found effective. As this is peculiarly woman's phase of the work, it will be discussed by Miss Mildred Chadsey, superintendent of sanitation in Cleveland, and Miss Harriet Fulmer, secretary of the Public Health League in Chicago. The masculine point of view will be given by Arthur E. Buchholz, chief inspector of the Tenement Division in Philadelphia, and Dr. Otto Geier, Director of Charities in Cincinnati, where one of the most vigorous housing campaigns in the country is now under way.

In all of these cities the housing workers have found one problem that seemed to defy their best efforts. Even the teaching of higher and better standards of living could not affect the habit of some elements of our population of taking in lodgers, and so overcrowd their rooms. There is a way to solve this problem, however, and Lawrence Veiller, secretary of the National Housing Association, and author of the New York Tenement House law, will show how it can be found.

The city planning end of housing will be discussed by Andrew Wright Crawford, a member of the City Planning Conference who has taken a keen interest in Philadelphia's development, under the title, "Property Divisions, Lot Depths and Height Regulation," and by John Nolen, of Cambridge, under the title, "The Factory and the Home—Shall the Factory Go to the Outskirts or Shall the People Be Brought to the Center?" Both sides of this controverted question will be presented by such men as Irving T. Bush, head of the Bush Terminal Company, which has brought factory and home within walking distance of each other, and John Martin, who has made a thorough study of the possibilities of rapid transit.

New constructive problems are involved in building the garden cities and garden suburbs which are planned in many parts of the country. They will be dealt with by Grosvenor Atterbury, designer of the beautiful Sage Foundation village, Forest Hills Gardens, and by W. S. B. Armstrong, secretary of the Toronto Garden Suburbs Company; Dana W.

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Bartlett, of the Los Angeles Housing Commission; John M. Glenn, director of the Russell Sage Foundation, and Frederick C. Howe, director of the People's Institute in New York, and author of several books on German and English housing work.

Such practical questions as the best types of workmen's houses and how to finance small houses are also included in the program. They will be discussed by John Ihlder, field secretary of the National Housing Association; Dr. George M. Kober, secretary of the Washington Sanitary Housing Company; Alfred T. White, owner of the Riverside buildings; John L. Fry, one of the leading builders of Philadelphia; Alfred L. Aiken, president of the Worcester, Mass., Institution for Savings, and Lee K. Frankel, of the Met-

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### CEMENT USERS.

#### Topics Selected for the Annual Convention at Pittsburgh Next Month.

The annual convention of the National Convention of Cement Users will be in session four days in the Port Pitt Hotel, in Pittsburgh, beginning December 10. Morning, afternoon and evening sessions will be held. The manufacturing, engineering and contracting interests will all be represented in the discussions.

Of exceptional interest and value to the public will be the reports of the sectional committees, fifteen in number. These committees will state their conclusions on such matters as aggregates, building blocks and cement products, education, exhibition, fence posts, fireproofing, form of specifications, insurance, measuring concrete, nomenclature, reinforced concrete and building laws, reinforced concrete highway bridges and culverts, roadways, sidewalks and floors, specifications and methods of tests for concrete materials, treatment of concrete surfaces.

The report of the committee on concrete surfaces will be prepared by L. C. Watson, of Boston, and it will present standard specifications for cement stucco. John E. Conzelman, of St. Louis, will read a paper on the "Present Status of Unit Methods for Reinforced Concrete." Edward N. Hines, of Wayne county, Michigan, will read a paper on "Concrete Roads." O. S. Peters, of the United States Bureau of Standards, will discuss the effect of "Electric Current on Concrete." The annual banquet will be held on Thursday evening.

#### PRODUCTION OF PORTLAND CEMENT IN THE SOUTH.

The South is now producing more Portland cement than did the whole country in 1900. In that year the production in the country was 8,482,020 barrels. In 1911 ten Southern States—Alabama, Georgia, Kentucky, Maryland, Missouri, Oklahoma, Tennessee, Texas, Virginia and West Virginia—produced 10,881,415 barrels, an increase of 7.9 per cent. Between 1900 and 1911 the increase in the South was from 125,479 barrels produced by four plants to 10,881,415 barrels produced by 22 plants. Both as to the number of plants and as to the output the rate of increase in the South was much greater than in the country as a whole. In 1900 fifty plants of the country produced 8,482,020 barrels, and in 1911 the production was 78,528,037 barrels by 115 plants.

In 1900, says the "Manufacturers' Record," the South was making nearly as much Portland cement as the whole country made in 1885. In the past eleven years the South made greater progress in this industry than the whole country had made in the preceding fifteen years, and began to take its place, for which it is so eminently fitted, in one of the great phenomena of American manufacturing history. From an insignificant \$126,00 value in 1880, the output of

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ropolitan Life Insurance Company, which is now making a most interesting social experiment by building model workingmen's houses, not as a philanthropy, but as a cold business proposition.

One of the sessions of the conference will be without formal papers, the delegates being called upon to give opinion and experience on such question as: "Should the Workingman Own His Own Home?" a question which really has two sides. "Should a Housing Law Apply to One and Two-family Houses as Well as to Tenements, and How Should They Be Differentiated?" "To What Extent Are Tenants Responsible for Bad Housing Conditions?" "How Shall We Solve the Alley Problem, and How Shall We Get Rid of the Privy Vault?"

The conference will last two days. In the mornings the delegates to the conference will be taken on automobile trips of inspection, during which they will see both the good and bad that Philadelphia has to show, but the emphasis will be laid on the constructive side. At noon there will be round table luncheons, at which the delegates will make brief reports on progress in their home cities and discuss what they have seen in Philadelphia. On Friday evening the conference will be brought to a close with a banquet at the Bellevue-Stratford Hotel, given by the citizens of Philadelphia.

#### SOAP AND WATER AS A WATER-PROOFING FOR CONCRETE.

Waterproofing concrete by the use of soap and water in the place of clear water in the mixing has been used in the construction of a grain elevator on the Danube River, in Germany. According to "Beton und Eisen," the concrete for that portion of the structure subject to inundation was placed in two layers. The outer layer, which is three and one-half inches thick, was composed of fine-grained concrete, containing about 675 pounds of cement and twenty-five gallons of water per cubic yard. The inner layer is one-half inch thick and is made of cement mortar prepared with fine river sand. In this the water is replaced by a solution of common potash soap, about nine pounds of soap being added per cubic yard of concrete. Subsequently the building was subjected to a sudden inundation, and, it is stated, showed up very structure similarly built, but without the well under the test, while a neighboring soap admitted water.



Portland cement in this country reached in 1911 a value of \$66,248,817, and the rapidity of that growth is comparable only, perhaps, to that of the Southern cottonseed oil industry. The South is the peculiar home of the latter, and is destined to be a great field

for the former, both in manufacturing and in use. The South has immense resources, widely distributed, of materials for the manufacture of Portland cement, and has really only begun to use it in lines of construction constantly expanding in number.

## FIRE-ESCAPE PROBLEM

### Prof. Hamlin Says Every Apartment House Presents a Different Case from Every Other.

Prof. A. D. F. Hamlin, of the School of Architecture of Columbia University, does not consider that thus far we have in this city perfected any means of external escape from old-fashioned apartment houses which it would be wise to force on all alike.

The question whether fireproof houses should be equipped with fire escapes is a many-sided one.

The whole matter was concisely and wisely summed up this week by Prof. Hamlin. He said he would be glad had he the time to discuss the danger of congestion on fire escapes of the ordinary kind when a crowd gets onto them from several stories at once, blocking those coming down from the upper stories.

It should always be remembered, Prof. Hamlin said, that there is danger from suffocating smoke as well as from fire. The whole question was very difficult, and therefore he was loath to be counted as yet on either side. To his mind, every apartment house offered a different case from every other and required a special solution:

"I believe the entire question regarding fire escapes requires careful study both by architects and by fire-risk experts. The ordinary fire escape is, as Mr. Porter has rightly called it, a fire-trap, or at least liable at any time to become one. I think that any law or ordinance regarding fire escapes on apartment houses should be made very elastic, leaving considerable discretion to the authorities so that each case can be determined upon its merits.

"Apartment houses should contain two or more separate fireproof staircases from top to bottom capable of being shut off one from the other, but both alike accessible from every apartment. This would probably provide a safer exit than any fire escape.

"The number of persons who can escape at any one time by the ordinary fire escape of the ladder type is only two or three per story, and the movement of the entire column is liable to be arrested by the lack of a permanent ladder to the sidewalk, by any accident such as fainting or falling, or by flames issuing from a lower window. Of course when the entire column is in motion, the number of persons who can escape increases in proportion to the rapidity of the movement.

"I should not like to see the ordinary type of fire escape multiplied on our apartment houses. For my part, I believe that continuous balconies on each story, such as are

common in Paris and other European cities, would in most cases afford quite as great safety from death by fire as the average fire escape one sees to-day. By means of the balcony, one may pass from a burning apartment into an adjacent apartment not yet burning or separated from the fire by a solid wall, the main objection to this means of safety being the increased risk from sneak thieves.

"This is no doubt an unsatisfactory reply to your inquiry, but I do not believe that thus far we have in this city perfected any means of external escape from old-fashioned apartment houses such as it would be wise to force upon all alike. If external iron fire escapes are to be required, I believe they should be constructed upon a different plan from the ordinary type, with a longer and wider balcony, with more easy steps for descent, with better railings and with some form of balanced ladder for reaching the sidewalk."

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## NEW IDEAS, MATERIALS AND DEVICES.

### Master Builders' Concrete ardenner:

The Master Builders Company, of Cleveland, Ohio, who manufacture the well-known Master Builders Concrete "Hardener" and "Filler" for wear-proofing, dust-proofing and waterproofing concrete wearing surfaces, have experienced a wonderful development in the year just passed. Their plant at present is working full capacity and a factory is about to be erected in the East to supply the wants of the Atlantic Coast business.

An interview with the Philadelphia representative, Mr. A. T. Malmed, at the Perry Building, brings out the fact that the most prominent architects and engineers in this vicinity are adopting the Master Builders Method in their specifications for a concrete wearing surface that will be wearproof, dust-proof and waterproof.

It is a well-established fact that architects, engineers and contractors have been up against it when it came to giving an owner a concrete wearing surface that would not sand out and dust or that would withstand severe usage without becoming worn out in spots. The reason of this is simply that a wearing surface of ordinary sand and cement, no matter how good the materials or the workmanship, is no more than a porous structure the moment that the water has left it and it has set up.

Being porous, a floor naturally has no compressive strength, and the result is that heavy trucking or continual walking will break down the cement particles into the many voids and the floor becomes worn out and dusty. It is here that trouble commences, because it is very difficult to repair these holes, on account of new cement not bonding to concrete that has set up. Unless "porosity" is eliminated from the concrete this condition will always exist.

What the Master Builders Method does to eliminate this porosity is to incorporate a material called "Hardener," which is a mineral substance in the form of a finely divided powder. This mineral is incorporated into the regular mixture of sand and cement. In the top mixture of the wearing surface, and it is so treated that as soon as it is acted upon by the water it crystallizes and closes up all the pores and voids in the concrete structure. By the elimination of porosity the Master Builders Floor are claimed to be of such flintlike hardness and density that they will withstand the most severe trucking without any apparent wear or tear. They are so dense that they will not dust and will repel dampness and all forms of oil, greases, soap-fats, etc.

In Philadelphia such concerns as Bram Cox Stove Company, Eynon-Evans Foundry, Girard College, Castle Kid Leather Company, United States Marine Corps, Hardwick-Magee Carpet Company, Niles-Bement-Pond Company's Crane Department and dozens of others have used the Master Builders material for hardening their concrete floors, and from testimonials shown us they certainly seemed pleased.



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## Editorial Comment

As we go to press with this number of "The Guide" the appointment is announced of Mr. Edward A. Crane, of Rankin, Kellogg & Crane, to be Superintendent of Independence Hall. Mr. Crane accepts the place, we understand, at a considerable pecuniary sacrifice, in order to place at the disposal of the city in the work of restoring Independence Hall the results of his years of study of Colonial architecture as well as of the most approved European methods of caring for places of exceptional historic interest. Mr. Crane is to be aided in this commendable and unselfish undertaking by a Commission made up of men and women of public spirit and definite civic ideals. Philadelphia is to be congratulated that an architect of Mr. Crane's calibre may be had to supervise a work of so much importance to the nation as the preservation and rehabilitation, under the most approved conditions, of the very cradle of American liberty.

\* \* \*

An article by Mr. Aymar Embury II, in the current number of "House Beautiful," under the title "How to Judge Architecture," presents certain views regarding architecture, as seen by the architect, that are so typical, in many essentials, as to make decidedly interesting reading:

"One constantly hears people say," writes Mr. Embury, "that architects can never find anything good in each other's work, and that, to use a slang phrase, there is no such 'gang of knockers' in any other profession as there is in the architectural one. One hears comparisons made between the architects and the two professions nearest akin in their methods to that of the architect, medicine and law, to the disadvantage of architecture, but the people who draw this comparison forget that the results of an architect's work are plainly to be seen by every one, and that no doctor who has not actually attended a case can possibly be familiar with the difficulties which attend his brother physician, and no lawyer who has not heard the intimate statement of a client can be fully advised of the strength or weakness of the case which his brother lawyer presented. They are, therefore, of necessity rather more chary of their expressions than are the architects to whom the problem is fairly fully explained by the result. This is, however, not the vital point which lies at the bottom of the difference. Physicians and lawyers have definite results to achieve; if a patient is cured the physician has been successful, and if the case is won, the lawyer is not open to criticism. On the other hand, the question of success in the result of an architect's work is a matter of opinion, and not of absolute proof. Now it is very far from being true that architects never find anything that they like; in fact, nothing could be more untrue. For

my own part I can hardly recall a single house which has been done by either Albro and Lindeberg, Charles A. Platt, Davis, McGrath, and Kiessling, and any of a dozen or fifteen other architects, that I do not like, and there are multitudes of houses done by other architects which I do like without liking all their work. I think the same thing applies to the others of my profession, and I have found that in judging competitions, in which I have been on juries with two or four other architects, or on judging exhibits submitted for exhibition work, that there was invariably a singular unanimity of opinion as to the stuff submitted. We concurred in regarding certain items very highly in finding nothing good in others, and the third great middle class failed to awaken either enthusiasm or much criticism. Architects cannot, however, always sympathize with the taste of their clients, and an opinion regarding quality of any building is, as I have before said in this article (and in many other articles), merely an expression of individual taste. We do find, however, that architects agree substantially as to what is good, and that their opinion often differs materially from that of the general public. Thence in determining what is good and what is not good in architecture we have only one test; that is the consensus, not of general opinion, but of educated opinion, and I think that we find in regarding the world's history of things artistic that the public taste follows the taste of the practitioners of any art, but at a considerable distance. Instances of this are so numerous that it is hardly necessary to cite them; one which readily occurs to mind is that of the great French painter, Millet, who died in poverty, appreciated by his brother painters, but unable to sell a picture by his brother painters, but unable to sell a picture."

\* \* \*

"A few words as to what constitutes taste and as to why the opinion of the architect should be preferred to that of the general public. In the first place most men go into architecture," says Mr. Embury, "because they have a real leaning and inclination toward the profession, although of course we have some men who have taken up the profession because it was nice, light work suitable for a gentleman. These men, however, are few in number and of negligible influence. Second: through an architect's training he has become familiar with the work of three thousand years of which we have monuments preserved, and has learned to instinctively recognize what three thousand years of opinion has determined to be good. Things he likes may cover a very broad field if he can see beauty in the Greek temple as well as in the Gothic church; this is because he is educated to understand them. On the



other hand, bring him into a field in which he is not familiar and he is almost as liable to be mistaken as the layman. For example the Taj Mahal at Agra is considered by architects and laymen alike, to be a superb piece of construction; I am informed however by those men who have made a close and intelligent study of Indian architecture that it is a rather inferior piece of work. I cannot understand exactly why myself, but I think that familiarity with the subject and a wise teacher to show me the difference between that and the finest of the Indian school would show me I am mistaken. This is because there is no real standard in beauty. It is a question of taste, training and intelligence. The only comparative instance which I can think of, readily comprehensible to every one, is the case of a pretty girl: that is something on which we can all express an opinion, since we are all experts. Just as architects find qualities to admire in both Greek and Gothic architecture, so do we admire both the blonde and brunette types, and just as architects find it difficult to admire Indian architecture, so do we find it difficult to see the beauty of a Chinese woman, and also very likely the girl whom we would pick out to be the prettiest of the Chinese, would be one whom the Chinese themselves with their entirely different conception of beauty, would esteem to be rather ugly than good looking. This does not prove the Chinese to be tasteless fools; but merely that we do not understand their viewpoint, and clients, when their architects fail to rave about a house which they themselves admire immensely, should not write this down to 'professional jealousy' but should use a little better pair of glasses to see if they are themselves not mistaken.

\* \* \*

All of which is not merely "well put"—to borrow a phrase from men who golf—but which is in addition thereto inspired throughout by a rather homely strain of uncommon good sense. So much depends in every avenue of human endeavor on this same world-old and perennially new question of the point of view. Some men come naturally by a certain artistic sixth sense which more or less infallibly guides them to that which is good; others arrive at the same goal only after years of patient effort, study and training. There is a class, too, which, overimpressed by the purely technical side of design, is often somewhat incompetent to pass upon values largely aesthetic. So goes the world. In every problem of an architectural trend three considerations enter into account—the utilitarian, the technical and the aesthetic. The man who can so blend these factors as to bring about a perfectly balanced creation is he who, in the final analysis, is destined to wear the bays. The good opinion of the public, while necessary in some sense to pecuniary success, is of small importance in fixing the purely professional rating of the artist. That comes, as in the case of poor

Millet, from the good opinion of his brothers in the craft. As Kipling has it:

"Dowb," the first of all his race,  
Met the Mammoth face to face.

On the lake or in the cave,  
Stole the steadiest canoe,  
Ate the quarry others slew,  
Died—and took the finest grave.

When they scratched the reindeer-bone,  
Someone made the sketch his own,

Filched it from the artist—then,  
Even in those early days,  
Won a simple Viceroy's praise  
Through the toil of other men."

\* \* \*

Editorially in the same publication another writer discusses the old, old question of the relative status of architect and engineer.

"An American engineer who has lived and worked a long time in France," comments this writer, "humbled the pride of a newly arrived batch of Beaux-Arts students recently by telling them that his profession of engineer had ousted theirs of architecture. In fact, it is a warning he has been sounding to all American students for some years past, till the very walls of the neighboring cafes know the story; how his steel framework has passed beyond bridge and railroad construction and into shops and flats and private houses; and that the time is not far distant when it will stand frankly for the material it is, without the sheathing of stone which the architect now supplies to it. And then farewell to this noble art of antiquity! Of course, the young architects had heard it before, but somehow the gentleman in question told it more convincingly, and his familiarity with their school and his well-known friendship and kindlines towards American students, made the sad tale sound more imminent than it used to.

"But their alarm was only momentary. When they left him and thought it over they saw that architecture differs from engineering in that it pays paramount attention to pleasing the eye. As that pithy English writer, W. S. Sparrow, says, 'The engineer's aim is utility plus science and mathematical calculation; the architect's, utility plus art and beauty. Their rivalry to-day arises from the fact that each is trying to please a public with a still different aim, utility plus cheapness.' It is not likely that any one of these combinations will ever banish the other two.

"In the old days the engineer worked alone, designing in his own study the bridges he was to build; but since he has become a collaborator with the architect he has become purely the constructor, and is subservient to the architect who is the designer. It is true that an era of steel construction, that is steel alone without a stone envelope, is likely to come; but the steel will have to be artistically designed just as any other building material must be; and until engineers are artists and receive an artist's training

along with their engineering, the architect need have no fear of losing ground."

\* \* \*

There is, to our mind, a great deal more chance of the architect superseding the engineer than of the reverse. Modern architects are attaining a competency to deal successfully with the engineering side of problems presented to them that, taken with their well-known ability to handle the artistic possibilities of their working mediums, must some day crowd the engineer into the one sphere for which he is really fitted—viz., that of designing structures in which the utilitarian quality shall be the dominant and only consideration. Certainly no one, nowadays, seriously expects of an engineer any of the graces commonly associated with agreeable design. Indeed, so much so is this the case that only here recently Senator Newlands, who is one of the few men at Washington with anything resembling a well-ordered grasp of artistic ideas, was moved to take up in the Senate the question of asking the co-operation of architects on the engineering work going on in the big ditch at Panama, to the end that the eastern and western approaches to this waterway be made something more impressive than mere viaducts.

Another concrete instance of the question elsewhere touched upon of the "point of view."

\* \* \*

Our good friend, Mr. D. Knickerbacker Boyd, takes us somewhat sharply to task for an Editorial Comment in last week's issue referring to the apparent lack of interest of local architects in the recent Suburban Planning Conference. Mr. Boyd's letter demonstrates that in the instance in question it was the press and not the members of Philadelphia Chapter at fault. A full set of delegates representing Philadelphia Chapter attended not only the sessions of the conference itself, but a number of preliminary conferences held prior to the main or final event. Furthermore, Mr. Charles L. Borie, Jr., acted as Recording Secretary of the conference and worked hard and ably to further its success. All of which "The Guide" is very glad indeed to make the subject of appreciative comment. The little reference to Mr. Boyd was in no sense intended to be a criticism of Philadelphia Chapter, whose work for the advancement of architecture we have frequently had occasion to commend.

### THERE'S ONLY ONE WAY.

A man may guy,  
And a man may lie,  
And a man may puff and blow;  
But he can't get trade by sitting in the shade,  
Waiting for business to grow.

The short cut to success in any line is to get your proposition before people likely to be interested in what you have to offer. In the building line "The Builders' Guide" supplies this "shortcut."



## Up-to-Date Lighting

Some people are to-day using improved tallow dips and oil lamps for illumination, simply because they have gotten into an old-fashioned rut. We should all get the Electric Light habit—it will save us money and health, it will lengthen our lives and improve our tempers. The present generation cannot afford antiquated methods.



### THE BUILDERS' GUIDE

is the only paper devoted to building material and equipment interests in Philadelphia—the only architectural and construction organ in the State of Pennsylvania, and the most readable and progressive trade paper of its class this side of New York city.

If you are not a subscriber—subscribe now.

If you are a subscriber let us have the names of some of your friends who would be likely to be interested in a paper of this kind. Or send us in a club of five subscribers and we'll send you a premium well worth your time. Or—

For three subscriptions we will send you the paper free for one year.

We want 10,000 paid subscribers to the Builders' Guide before the close of 1912.

Won't you help your home trade paper to realize this ambition?

Lend a hand.

We have an attractive proposition to make to a few good subscription canvassers. The other kind need not apply.

BUILDERS' GUIDE,  
Perry Building, Philadelphia.

The trouble with some advertising is that it is like the conversation of certain people—it never says anything.—“Novelty News.”

If your proposition is one that should appeal to architects, builders, building owners, decorators, material and supply concerns, “The Builders' Guide” is the right medium for your advertising and cannot fail to bring you profitable returns.

The “Builders' Guide” is the OLDEST, and the ONLY Architectural Publication in Pennsylvania.

## EPIGRAMS ABOUT ADVERTISING

[Mr. Arthur Brisbane, the brilliant editorial writer of William R. Hearst's New York “American,” wrote an editorial for a recent issue of that great newspaper on the subject of advertising that fairly bristled with quotable flashes of the epigrammatic wisdom for which this gifted journalist is noted among contemporary journalists. For the benefit of “The Guide's” many readers, the most effective of those glancing impressions are here reproduced. The man interested in good advertising will find them not only well worth reading, but worth filing away for further reference.]

The history of the world has been a history of advertising, conscious or unconscious.

This generation of ours is the first that sees advertising as a science and an art.

And even this generation does not realize the importance of advertising, the dignity of the advertising profession, the extraordinary part that advertising is destined to play in the industry, the commerce, and especially in the economy of the country.

\* \* \*

What language is to the human race, ADVERTISING IS TO BUSINESS, INDUSTRY, COMMERCE, MANUFACTURING AND ECONOMY.

Advertising is the language of trade, the language of energy, the language of prosperity, the language of the man of to-day determined to do in his life what in former years could not be done in fewer than half a dozen generations.

\* \* \*

The advertisement is to the industry and business of the nation what the bright electric light is to the big engine producing the power. The little electric bulb tells what the engine is doing. The brilliantly worded advertisement tells what industry, commerce, manufacturers are doing.

\* \* \*

Advertising, as word indicates, is GIVING INFORMATION.

Literally translated, the word means, “to turn to,” from the Latin of ad—to—and ver—to—turn.

The advertisement turns the public to the thing wanted.

Advertising, the voice of commerce, tells the work that the thinkers, fighters and inventors of industry are doing.

\* \* \*

Very old, indeed, is advertising. The rainbow in the clouds, according to the Scriptures, was one of the early advertisements. It promised that men should not be destroyed with a flood again. In that advertisement, brilliant in color, magnificent in size, supreme power announced the fact that that particular flood was to be the last flood.

Caesar used the advertisement when, fighting the patricians and using the bulk of the people against his enemies in the Senate, he

caused the proceedings of the Senate to be advertised on the walls of Rome. That was the first semi-modern advertising.

\* \* \*

The object of men that create is to make their creations known.

And the task that advertising accomplishes, and that nothing else CAN accomplish, is to make known to all the efforts, the results, the inducements of the individual.

Many and ingenious have been the advertising methods of men since the beginning.

It was Solomon's advertising of his wisdom—in various very respectable ways—that brought the Queen of Sheba to see him.

It was advertising, undoubtedly, when young Cleopatra, hoping to get the Roman power behind her weak kingdom, had herself wrapped up in a rug and, thus wrapped up, delivered in Caesar's private apartment. She was disappointed in the result of that advertisement, for, although she became the mother of Little Cesarion, Caesar's son, she was not able to influence or control him. And when she took Antony as second best, she failed and died.

It was good advertising when Canonicus, the Indian chief, intending to frighten the little group of New Englanders, filled a snake skin with arrows and sent it to Governor Bradford. And it was still better advertising when that same Governor filled the snake skin with powder and bullets and sent it back to Canonicus. This Indian gentleman looked at the white man's advertisement in the snake skin thoughtfully and decided to put off the fight indefinitely.

\* \* \*

It was excellent advertising of her courage, and of woman's power to fight, when Hannah Dustin, of Haverhill, Mass., being captured by the Indians who murdered her baby, and being led away to be tortured, returned on foot bringing with her the scalps of ten Indians that she had killed in their sleep.

It was good advertising, although not meant as such, when Agassiz, the great naturalist, said, “I have not time to make money.”

It was good advertising when Marc Antony pointed out the holes that the daggers made in Caesar's clothing—and even better advertising when he mentioned with pretended reluctance how much of his money and property Caesar had left to the howling mob.

\* \* \*

In the olden days everything was slow. A man with great difficulty managed to place his little store on a street where many passed. The people only could know what he was doing if they PASSED HIS STORE.

Now a man puts his factory in a distant town, nobody has seen it, nobody knows perhaps where it is. But that man puts his name, his purposes, his accomplishments, IN THE HANDS OF TENS OF MILLIONS OF



Established in 1854

Incorporated in 1902

**Pennsylvania  
Wire Works****EDWARD DARBY & SONS CO.**  
Incorporated233 & 235 Arch St., Phila.  
Factories, 113 & 115 Broad St.

Manufacturers of

Wrought Iron Railings  
and Grille Work; Elevator  
Enclosures, and Elevator  
Cars; Wire Window Guards,  
Wire Cloth; Wire and Iron  
Work of every description,  
also Pen-Dar Metal Lock-  
ers, Shelving Etc.**HENRY M. MILLER****Stoves, Furnaces and  
Refrigerators**

40 N. SECOND ST., PHILA., PA.

**O. W. KETCHAM**

Manufacturer

**BURNT CLAY PRODUCTS**Office and Exhibition:  
24 S. 7th St., Phila. Bld'rs Exchange**BLUE PRINTS**Phone Orders will receive Prompt Attention.  
Bell, Lombard 3559. Keystone, Main 1935.**The H. H. STOREY CO.**  
329 Walnut Street**The National Metal Weather Strip**

Is now for Sale by

**Strawbridge & Clothier, Phila.**Send there for Estimate  
The National Metal Weather Strip Co. of Pa.**Hardwood Floors**

Laid, Planed, Scraped, Finished

RENOVATING A SPECIALTY

**THOS. E. SLOAN & CO.**  
802 Walnut Street, Phila.**MITCHELL BROS.****Carpenters, Builders and Contractors**

2125 Race St., Phila.

Bell, Locust 812 Keystone, Race 29-84

**Artesian Well Drilling Co.**

Wells—Soundings—Test Borings

941 Real Estate Trust Bldg., Phila.

Bell Phone, Walnut 65-59

HUMAN BEINGS. He does not wait for the man to pass his door. He goes through the door of the house in which the man lives, and in this monthly, or that weekly, or in many dailies, presents to the man the story that he has to tell.

Therein lies the power of advertising. You can work to-day and to-morrow you can tell the whole world what you have done.

\* \* \*

Advertising has ceased to be misrepresentation, and it has become the honest voice of commerce, the agent of economy—AND THE ECONOMY MUST BE CLEAR TO ALL—it can be made clear in a very few words.

\* \* \*

There are many business men that have put not one million, but five millions, and ten millions into an advertising reputation.

They have put their millions into words and have created by them a reputation as solid as any brick or any iron. That reputation IS THEIR FORTUNE. That reputation is their life work. It is not insured, it cannot be insured.

For the man who has put his millions into advertising, to lower the quality of his goods, to deceive the public, would be like setting fire to his millions without any insurance.

The man who advertises gives hostages to the public, and proves that it is his intention to succeed by giving value, by living up to that which he has promised.

\* \* \*

You can have a new idea this week, and next year that idea can be in the minds of fifty millions of human beings.

You are not bound by your location, limited by the strength of your voice. Your voice is the voice of the printing press.

No man need waste a day if he has the right idea and the energy, and knows how to talk for publication.

\* \* \*

There are, of course, fraudulent advertisers, although they are constantly becoming fewer. And they are becoming fewer, thanks TO THE POWER OF ADVERTISING ITSELF.

For the advertising of honest men and of honest goods has made the work of deceitful advertising more and more difficult, less and less remunerative.

There is one gentleman in this country who formerly made a fortune by advertising shot-guns for sale, "like this picture," and then sending a gun made of wood that would shoot nothing. He is now engaged in business in a reputable way—and, by the way, is a prominent Bull Mooser.

There was a great concern that first advertised a complete set of parlor furniture, "exactly like illustration." And when the farmer, having sent in his money and having gone to the station with a two-horse team, applied for the goods, he found a little set of toy furniture which he could have taken back in his overcoat pocket.

But that concern, now in the control of an honest and intelligent man, is doing a business of almost one hundred millions a year,

(Continued on page 796.)

**EXCELSIOR  
RANGES**

Have been the standard of excellence for half a century. They are made for Coal, Gas or Combination Coal and Gas.

**Isaac A. Sheppard & Co.**

Philadelphia

New York

Baltimore

**Conklin Engineering Co.**Steel and Reinforced Concrete  
Structures Designed and Erected  
**HEED BLDG. Philadelphia**  
Bell Phone, Walnut 12-95**BLUE PRINTS**Our Equipment enables us to  
meet the demand**THE BLUE PRINT COMPANY**  
1516 Chestnut Street**Weather Strips, Wood or Metal**None better made at any price  
than BURCAW'S Concave  
Interlock or Metal

We Make, Sell and Apply Them

Sample and Circular Mailed

**BURCAW REAL ESTATE REPAIR CO.**  
2325 N. 31st St., Phila., Pa.**MORTGAGES**

We can place them for you

**L. P. SIMPSON & SON**707 Walnut Street  
Philadelphia



# Alterations and Additions

Finnessey & Kobler (O), Twenty-sixth and Parrish streets. Smith-Hardicon Company (C), 1606 Cherry street. Cost, \$10,000. Garage, Parry and Parrish streets.

O. M. Preston (O), 701 East Girard avenue. Harry Drake (C), 3139 Frankford avenue. Cost, \$1,000. Store, 701 and 705 Girard avenue.

Max Wurzel (O), 908 North Marshall street. D. Wittenberg (C), Eighth and Poplar streets. Cost, \$5,200. Store and dwelling.

Berg Brothers (O), 1027 Market street. Ed. Fay & Sons (C), 1521 Ranstead street. Cost, \$900. Store.

Philadelphia Rapid Transit Company (O), Eighth and Dauphin streets. Cost, \$1,100. Storage, Forty-fourth and Brown streets. Cost, \$900. Storage, Amber and Lehigh avenue.

George Miller (O), 1011 Arch street. Lam Building Company (C), 1001 Wood street. Cost, \$5,000. Store and dwelling.

J. Shush (O), 534 North Third street. B. Bornstein (C), 407 South Fifth street. Cost, \$830. Store and dwelling, 1528 Columbia avenue.

A. Quigley (O), 1524 Delancey street. McTavish & Hazzard (C), 1515 Pine street. Cost, \$900. Garage, 1520 Delancey street.

Bell Telephone Company (O), Eleventh and Filbert streets. H. W. Geshwind (C), 1213 Filbert street. Cost, \$1,000. Office building.

George R. Miller (O), 1231 Callowhill street. J. B. Johnston (C), 1536 Fawn street. Cost, \$975. Manufacturing building, 1823 North Eighth street.

F. S. Drake (O), 1416 South Penn Square. Ed. S. Cuthbertson (C), 334 Roxborough avenue. Cost, \$3,200. Mill, Main and Carson streets.

Evans Museum (O), Fortieth and Spruce streets. Drehman Paving Company (C), 2526 Parrish street. Cost, \$38,000. College Building, Fortieth and Spruce streets.

Schwartz Wheel Company (O), Margaret and Worth streets. Cornelius West (C), 1034 Herbert street. Cost, \$3,200. Shed.

C. G. Canis (O), 8402 Seminole avenue. Alex. Caie (C), 48 East Chestnut Hill avenue. Cost, \$1,000. Dwelling.

Bingham Hotel Company (O), 1235 Chestnut street. Roebbing Construction Company (C), Land Title Building. Hotel, fireproof floors.

Y. M. C. A. of Philadelphia (O), Fifteenth and Arch streets. Roebbing Construction Co. (C), Land Title Building. Y. M. C. A., Fifty-second and Sansom streets. Fireproof floors.

Electro Dental Manufacturing Company (O), Twelfth and Cherry streets. William Steele & Sons (C), 1600 Arch street. Concrete foundations, Thirty-third and Arch streets.

Girard Iron Works (O), Twenty-second and Master streets. Joseph H. DeCatur (C), 2521 Girard avenue. Stable. Cost, \$695. Twenty-second and Harlan streets.

Alfred H. Wiler (O), 5545 Hazel avenue. Alfred H. Wiler (C), 5545 Hazel avenue. Cost, \$600. Fifty-sixth and Larchwood avenue.

Continental Hotel Company (O), Ninth and Chestnut streets. Bath rooms. Cost, \$8,000.

W. Marriott (O), Wissahickon avenue and Westview street. W. John Stevens (C), Wyncote, Pa. Cost, \$1,800. Garage.

D. F. Waters (O), 53 Wistar street. R. M. Peterson & Son (C), 5250 Wakefield

street. Cost, \$3,000. Dye house.

Deacons' Home (O), 1124 Spruce street. A. F. Fraim (C), 319 Market street. Cost, \$1,400.

William Cramp & Sons E. B. Co. (O), Beach and Ball streets. Hoffman Engineering Company (C), Pennsylvania Building. Iron Foundry. Cost, \$30,000. One and one-half stories, 120x74 feet.

Spreckels Sugar Refining Company (O), Reed and Meadow streets. John A. S. Johlm (C), Reed and Meadow streets. Brick elevator shaft. Cost, \$1,000.

S. Bookbinder (O), 125 Walnut street. Wm. R. Hale (C), 1601 Poplar street. Restaurant. Cost, \$2,000. 125 Walnut street.

Isaac A. Sheppard Company (O), Erie avenue and Sepviva streets. Cost, \$600. Lumber shed.

Social Centre Corporation (O), 160 Broadway, New York City. F. G. Kaplan (C), 3906 Chestnut street. Cost, \$6,200. Dancing academy, 3905-13 Market street.

George H. McClatchey (O), 5908 Lansdowne avenue. Cost, \$700. Stable, 1522 North Fifty-eighth and a Half street.

William Antraubes (O), 2644 North Thirty-first street. William D. Bubeck (C), Somerton, Pa. Cost, \$1,350. Fire damages.

Thomas W. Evans Museum and Dental Institute (O), Fortieth and Spruce streets. Pomeroy Construction Company (C), 1609 Ranstead street. Demolishing properties.

Jane Siley (O), 5039 Pine street. F. C. Borel, Jr. (C), 5146 Market street. Cost, \$600. Store and dwelling, 39 South Fifty-second street.

J. Clark Miller (O), 2006 West Ontario st. Cost, \$600. Wall, 2004-06 West Ontario st.

Harry T. Saunders (O), 31 South Eighteenth street. Smith-Hardican Company (C), 1606 Cherry street. Cost, \$1,000. Garage, 312 North Fifteenth street.

John Michalsky (O), 3175 Almond street. Cost, \$300. Dwelling, 3175 Almond street.

V. Pytko (O), 3171 Almond street. Store and dwelling, 3171 Almond street. Cost, \$300.

Antonion Dempiewicy (O), 3179 Almond street. Cost, \$300. Dwelling, 3179 Almond street.

C. W. Speiss (O), Ninth and Walnut streets. John Baizley Iron Works (C), 514 South Delaware avenue. Boarding House, 320 South Eleventh street. Cost, \$345.

John Kershaw (O), 6112 Vine street. Clyde Bowers (C), 6112 Vine street. Store, 6112 Vine street. Cost, \$2,000.

Henry Schnell (O), 455 Queen street. H. H. Hudson (C), 156 Queen street. Cost, \$300. Fire damage to stable, 455 Queen street.

John C. Winston (O), 5441 Wayne avenue. William C. Wright (C), 22 Harvey street. Cost, \$1,725. Garage, 5441 Wayne avenue.

Kensington Hospital for Women (O), 136 Shackamaxon street. Carte Paving Company (C), Franklin Bank Building. Cost, \$800. Power house, Fountain and Waterloo streets.

Bertha Emmerly (O), 377 State street, Brooklyn, N. Y. A. Wasslsky (C), 543 North Seventh street. Cost, \$300. Moving Picture Theatre, 2525 Girard avenue.

William H. Maule (O), 1707 Filbert street. Cramp & Co. (C), Denckla Building. Concrete floorings.

Ferris & Leach (O), Seventh and Ranstead streets. John Baizley Iron Works (C), 514 South Delaware avenue. Cost, \$685. Sprinkler equipment.

Jesse Croll (O), 2336 Germantown avenue.

Borndt & Son (C), 1037 Tioga street. Cost, \$1,250. Storage and manufactory, 2336 Germantown avenue.

J. Seigel (O), 37 North Second street. Cost, \$875. Store and dwelling, Sixth and Buttonwood streets.

bbotts Alderney Dairy (O), Eighteenth and Filbert streets. J. Temple Glenn (C), 524 Walnut street. Cost, \$619. Boiler house, Thirtieth and Ludlow streets.

Philadelphia and Reading Railroad Company (O), Seltzer and Edgemont streets. Cost, \$700. Toilet building.

## EPIGRAMS ABOUT ADVERTISING.

(Continued from page 795.)

and doing a business absolutely honorable, a business managed so economically that it saves millions annually to the farmers of this country—it is one of the greatest mail order houses in the world

Advertising is no longer used to sell wooden nutmegs, or to sell "a fine steel engraving of George Washington for fifty cents," which turns out to be a United States two-cent stamp with George Washington's face upon it.

Advertising builds up the honest man and kills off the dishonest man. There is more profit in building a great grocery business and selling the best of nutmegs at a fair small profit than there could possibly be in selling wooden nutmegs.

\* \* \*

The business man who grudges a commission to an advertising agent who thinks "he can do it himself" is usually about as intelligent as he would be if he grudged the commission of the architect and decided to build his store for himself.

He would save the commission of the architect, but ruin the store.

This is the age in which one man DOES ONE THING. You can run your BUSINESS. Find a man who can RUN YOUR ADVERTISING.

\* \* \*

First, your advertisements must be seen. If it is not looked at, it is lost. Make it CONSPICUOUS.

Second, your advertisement must be read. If it is not read, it is wasted. Make it SIMPLE.

Third, your advertisement must be understood. If it is not understood, it is again wasted. Make it PLAIN.

And, fourth, WHAT YOU WRITE MUST BE BELIEVED. The power of convincing is the greatest power. He who can make others believe and who is sincere and believes himself, first of all, is the successful man in every line.

## REAL ESTATE TRANSFERS.

Summary for week ending November 30th, 1912:

Number of transfers.....	596
Amount of transfers.....	\$1,674,694.01
Cash consideration .....	555,081.01
Mortgage consideration .....	1,119,613.00
Ground rent consideration.....	4,498.00
Which an a six per cent. basis amounts to .....	74,966.67



# Reference Directory for Architects, Builders and Owners

## Artesian Wells.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.,  
Bourse Bldg., Phila.

## Artists' and Architects' Supplies.

Chas. H. Robbins,  
125 S. 11th st., Phila.  
F. Weber & Co., 1125 Chestnut st., Phila.

## Awnings

Bernard McCurdy,  
N. E. Cor. 9th and Arch sts., Phila.

## Brick (Face, Etc.)

O. W. Ketcham, Builders' Exchange, Phila.

## Brick Renovating.

Adolph Christensen,  
1433 Brown st., Phila.

## Blue Prints

Blue Print Co., 1516 Chestnut Street, Phila.  
Chas. H. Robbins, 125 S. 11th st., Phila.  
H. H. Storey Co., 329 Walnut st., Phila.

## Boilers and Radiators.

Isaac A. Sheppard & Co.,  
Erie ave. and Sepviva st., Phila.

## Builders.

Mitchell Bros., 2125 Race St., Phila.  
Pomeroy Const. Co., 1609 Ranstead st., Phila.

## Builders' and Contractors' Machinery.

Henry T. Peirce, Bulletin Bldg., Phila.

## Canvas Roofing.

The Franklin Paper Co.,  
718 Cherry st., Phila.

## Cement.

Samuel H. French & Co.,  
4th and Callowhill sts., Phila.  
Chas. Warner Co., Land Title Bldg., Phila.  
Knickerbocker Lime Co.,  
266 N. 24th St., Phila.

## Cement and Asphalt Paving.

Wm. Krause, 1621 N. 5th St., Phila.

## Cement Colors.

Samuel H. French & Co.,  
4th and Callowhill sts., Phila.

## Cold Water Painting.

William B. Southern,  
N. W. Cor. 12th and Spruce sts., Phila.

## Concrete Engineer.

Conklin Engineering Co.,  
Heed Building, Phila.

## Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,  
10th and Chestnut Sts.

## Elevator (Lubricators.)

American Engr. & Mfg. Co.,  
Real Estate Trust Bldg., Phila.

## Engraving, Photo and Line.

Chestnut Street Engraving Co.,  
7th and Chestnut sts., Phila.

## Fire Protection Equipment.

Jas. Boyd & Bros.,  
25th and Wharton sts., Phila.

## Flag Poles (wood and steel).

Bernard McCurdy,  
N. E. cor. 9th and Arch sts., Phila.

## Floors and Floor Finishing.

Andrew Pinkerton, 3034 W. York st., Phila.  
Fritz & La Rue,  
4800 Parkside ave., Phila.  
Keystone Hardwood Floor Co.,  
7 S. 16th st., Phila.  
Thos. E. Sloan & Co., 802 Walnut st., Phila.

## Furnishers and Decorators.

Duncan & Duncan, Inc.,  
1724 Chestnut st., Phila.

## Furnaces and Ranges.

Bartlett & Co., 1938 Market st., Phila.  
Henry M. Miller, 40 N. 2nd st., Phila.  
Isaac A. Sheppard & Co.,  
Erie Ave. and Sepviva St., Phila.

## Gas and Gas Appliances.

United Gas Improvement Co.,  
Broad and Arch sts., Phila.

## Graphite Paint.

Jos. Dixon Crucible Co.,  
1020 Arch st., Phila.

## Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

## Heating (Warm Air.)

Makin Heating Co., 6 N. 18th St., Phila.

## Iron Work (Structural and Ornamental).

W. E. Wark & Co., 1737 Filbert st., Phila.

## Lighting Fixtures.

Logue-Stronge Mfg. Co.,  
435-37 N. Broad st., Phila.

## Metal Furniture.

Edward Darby & Sons Co.,  
233 Arch St., Phila.

## Metal Tile.

American Perfectile Co.,  
1526 Sansom St., Phila.

## Marble Mosaic.

Belfi Bros. & Co.,  
20-22 S. 19th st., Phila.

## Metal Doors and Trim.

R. R. Hammond & Co.,  
Land Title Bldg., Phila.

## Mill Work.

Frank C. Snedaker & Co.,  
9th and Tioga sts., Phila.

## Mortar Colors.

Samuel H. French & Co.,  
4th and Callowhill sts., Phila.

## Mouldings (room and picture).

B. B. Funston, Inc. 146 N. 10th st., Phila.

## Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th St., Phila.  
Samuel H. French & Co.,  
4th and Callowhill sts., Phila.  
Pyramid Paint Co., 131 N. 22nd st., Phila.  
E. E. Nice 272 S. 2nd St., Phila.  
Jos. Dixon Crucible Co., 1020 Arch st., Phila.

## Parquetry Floors.

Andrew Pinkerton, 3034 W. York st., Phila.  
Keystone Hardwood Floor Co.,  
7 S. 16th st., Phila.

Fritz & La Rue,  
4800 Parkside ave., Phila.

Thos. E. Sloan & Co., 802 Walnut st., Phila.

## Perfectile

The American Perfectile Co.,  
1526 Sansom st., Phila.

## Plaster.

J. B. King Co., Builders' Exchange, Phila.

## Plaster Board.

J. B. King Co., Builders' Exchange, Phila.

## Radiators.

H. B. Smith Co. 1225 Arch st., Phila.

## Ranges.

Bartlett & Co., 1938 Market st., Phila.  
Henry M. Miller, 40 N. 2nd st., Phila.  
Isaac A. Sheppard & Co.,  
Erie ave. and Sepviva st., Phila.

## Refrigerators.

Henry M. Miller, 40 N. 2nd st., Phila.

## Roofing Slate.

C. F. Shellenberger,  
Builders' Exchange, Phila.

## Roofing Slate (black and colored)

Wm. Moore Co.,  
Real Estate Trust Bldg., Phila.

## Roofing Tile.

C. F. Shellenberger,  
Builders' Exchange, Phila.  
O. W. Ketcham, Builders' Exchange, Phila.

## Real Estate and Mortgages.

Hazlett & Moss, 518 Walnut st., Phila.

## Safety Treads.

R. R. Hammond & Co., Land Title Bldg., Phila.

## Sanitary Flooring.

Woodoleum Flooring Co.,  
Betz Building, Phila.

## Sewer Pipe and Flue Linings.

C. F. Shellenberger,  
Builders' Exchange, Phila.

## Sash Pulleys.

American Pulley Co.,  
4200 Wissahickon ave., Phila.

## Soundings.

Ridpath & Potter Co.,  
Bourse Bldg., Phila.

## Slate—Roofing and Structural.

Wm. Moore Co.,  
Real Estate Trust Bldg., Phila.

## Stair Builders.

Frank C. Snedaker & Co.,  
9th and Tioga Sts., Phila.

## Structural Engineer

Conklin Engineering Co.,  
Heed Building, Phila.  
Harry C. Eisenbise, Penna. Bldg., Phila.  
Frank N. Kneas,  
1232 Race St., Phila.

## Terra Cotta (Architectural)

O. W. Ketcham, Builders' Exchange, Phila.

## Test Borings.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.,  
Bourse Bldg., Phila.

## Tile—Floor, Wall and Decorative.

Wm. Moore Co.,  
Real Estate Trust Bldg., Phila.  
The American Perfectile Co.,  
1526 Sansom st., Phila.

## Tile and Terrazza Work.

Belfi Bros. & Co., 20-22 S. 19th st., Phila.

## Wall Plaster.

J. B. King & Co., Builders' Exg'e, Phila.

## Water Heaters.

Bartlett & Co., 1938 Market st., Phila.

## Waterproofing Specialties.

The Franklin Paper Co.,  
718 Cherry st., Phila.

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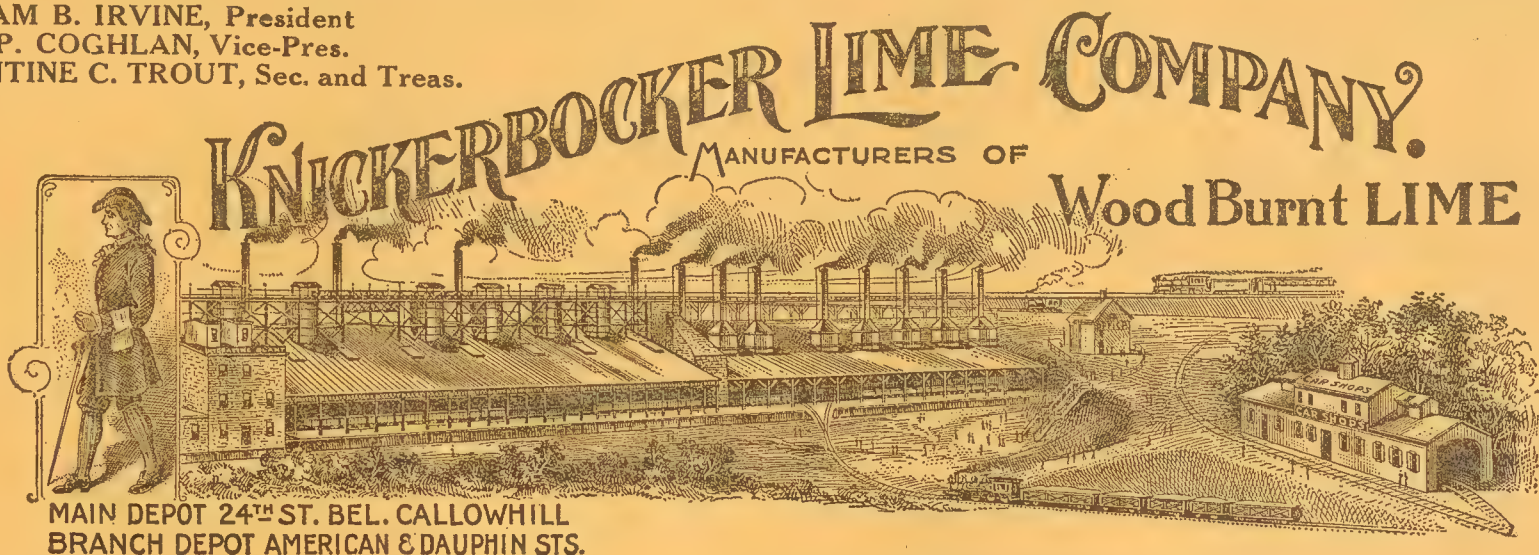
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Vol. XXVII, No. 50.

PHILADELPHIA, WEDNESDAY, DECEMBER 11, 1912.

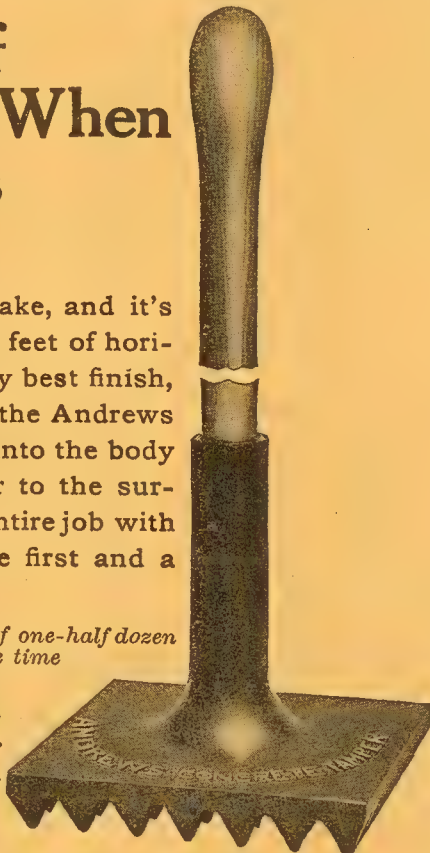
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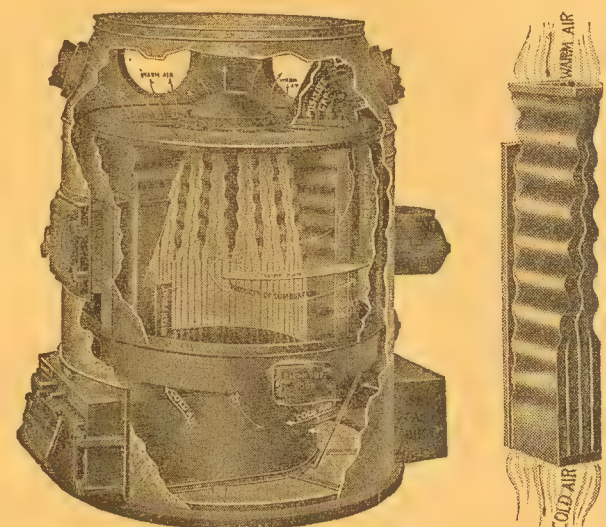
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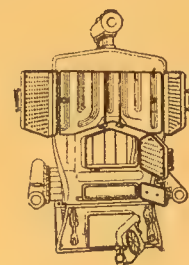
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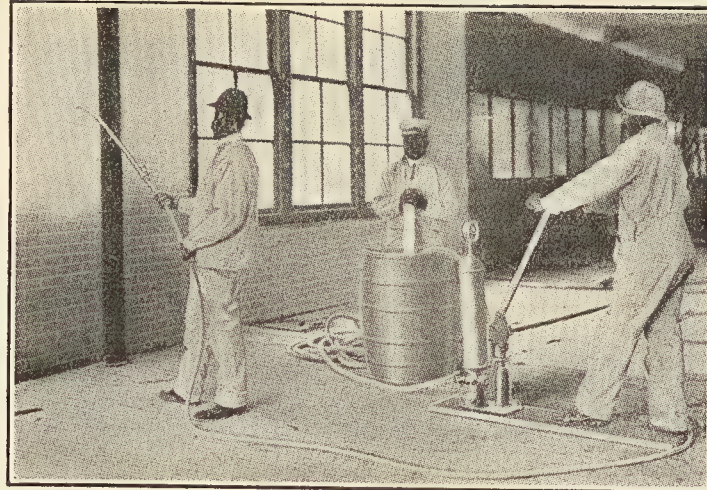
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Vol. XXVII., No. 50.

PHILADELPHIA, WEDNESDAY, DECEMBER 11, 1912.

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## Advance Construction News

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**Residences (149),** Marcus Hook, Pa. Architects, Ballinger & Perrot, 1211 Arch street. Owners, American Viscose Company, Marcus Hook, Pa. Brick, two and one-half stories, 24x33 feet, slate roof, electric lighting, hot air heating. Contract awarded to H. Brocklehursts, 512 West Norris street, who is taking sub-bids.

**Coal Pocket and Trestle,** Trenton avenue and Westmoreland street. Architect, Ralph E. White, Pennsylvania Building. Cost, \$11,000. Owners, Owen Letters & Sons, on premises. Stone and timber and concrete, slag roof. Contract awarded to Brown-King Construction Company, Harrison Building.

**Room, No. 475 A (alt. and add.),** City Hall. Architect, C. B. Zelinger, City Hall. Owner, City of Philadelphia. Consists of new partitions and interior alterations and electric lighting. Contract awarded to John D. Garrison, 14 South Broad street.

**Independence Hall (alt.),** Sixth and Chestnut streets. Architect's private plans. Owner, City of Philadelphia. Consists of interior alterations. Chapman Decorative Company, 1502 Walnut street, submitted the lowest bid, \$10,200.

**Cottage,** Ardmore, Pa. Architect, H. Wells Sellers, Stephen Girard Building. Owner, C. E. Ludington, Jr., Ardmore, Pa. Stone, two and one-half stories, 27x38 feet shingle roof (electric lighting and heating reserved). Contract awarded to J. Martin Warner, Bryn Mawr, Pa.

**Residence (alt. and add.),** Berwyn, Pa. Architects, Duhring, Okie & Zeigler, Bailey Building. Owner, George S. Hutton, Berwyn, Pa. Stone and frame, two and one-half stories. Plans in progress. Architects will soon take bids.

**Store Building (fire repairs),** 61-63 North Second street. Architects, Sauer & Hahn, 1118 Chestnut street. Owner, H. Fliegelman, 36 North Second street. Brick, three stories. Consists of fire repairs. Architects taking bids due December 11. F. Roe Searing, Perry

Building, and Lam Building Company, 1001 Wood street, are figuring.

**Nureses Home (add.),** Front and Lehigh avenue. \$50,000. Architects, Stewardson & Page, 320 Walnut street. Owner, Episcopal Hospital, on premises. Brick and terra cotta, four stories, hollow tile and concrete fireproofing-enamel bricks, slate and tile roof, metal lockers (heating and electric work reserved). Architects taking bids due December 11. The following are figuring: Metzger & Wells, Heed Building; William R. Dougherty, 1608 Sansom street; F. E. Wallace, 1210 Sansom street; Stacey Reeves & Sons, 1613 Filbert street; Thomas Little & Son, 1615 Sansom street.

**Garage and Green House, etc.,** Chestnut Hill, Pa. Architects, Zantzinger, Borie & Medary, Northeast corner Fifteenth and Walnut streets. Owner, John S. Jenks, Pr., Land Title Building. Stone, two stories, 37x60 feet, slate and slag roof. Architects taking bids due December 7. J. Sims Wilson Company, 1125 Brown street, is figuring. (Only bidders.)

**Theatre,** Atlantic City, N. J. \$60,000. Architects, Magaziner & Potter, 137 South Fifth street. Owners, Seltzer Bros., 247 South Fifth street. Brick, one story, 140x60 feet, tile roof, steam heating, electric lighting. Revised plans about completed. Architects will take new bids in a few days.

**Residence,** DeLancey street, near Twenty-second street. Architects, Mills & Van Kirk, Harrison Building. Owner's name withheld. Brick, three stories, tin roof, electric lighting, hot water heating, hardwood floors. Plans in progress.

**Residence,** Allens Lane, Philadelphia. \$12,000. Architect, Edmund B. Gilchrist, Harrison Building. Owner, Houston Estate, care of Dr. George Woodward, North American Building. Stone and rough cast, two and one-half stories. Plans about to be started.

**Garage,** St. Martins, Philadelphia. Architect, Edmund B. Gilchrist, Harrison Building. Owner, Dr. George Woodward, North Ameri-

can Building. Stone and rough cast, two stories, 23x34 feet, shingle roof, electric lighting, hot water heating. Plans in progress. Architects will take bids in two weeks.

**Residence,** Wissahickon avenue, north of Carpenter street. \$15,000. Architect, Chas. Barton Keen, Bailey Building. Owner, Henry S. Bromley, care of The Lehigh Mills, Twenty-second and Lehigh avenue. Brick and stone or hollow tile, two and one-half stories. Plans in progress.

**Theatre,** Sixtieth and Locust streets. \$75,000. Architect, Albert E. Westover, Keith Building. Owner, Garden Amusement Company, care of William S. Furst, Stephen Girard Building. Brick, terra cotta, concrete and steel, fireproof, two stories, 100x190 feet, slag roof, steam heating. Plans completed. Architect will take bids in a few days.

**Residence,** McKean and Clapier streets. Architects, Druckenmiller, Stackhouse & Williams, Land Title Building. Stone, two and one-half stories, 50x60 feet, shingle roof, hot water heating, electric lighting, hardwood floors. Architects taking bids due December 16. The following are figuring: McLean & Baldwin, 6101 Walnut street; W. E. Dotts & Co., 148 North Second street; John E. Walt, 201 East Willow Grove avenue; E. J. Hedden, 14 South Broad street; F. L. Hoover & Sons, Builders' Exchange; J. B. Flounders, 1329 Arch street; Fosmire & Son, Glenside, Pa.

**Residence,** Haverford, Pa. \$20,000. Architects, Duhring, Okie & Zeigler, Land Title Building. Owner, Charles R. Wentz, Land Title Building. Stone and half timber, two and one-half stories. Plans in progress. Architects will take bids in about two weeks.

**Factory,** Southwest corner Seventh and Green streets. Architects, B. J. Medoff & Son, 524 Walnut street. Owner, Diamond Knitting Mills, 327 North Eighth street. Brick, three stories, 60x90 feet, slag roof, steam heating. Plans completed. Architects ready for bids.

**Residences (2),** Ventnor, N. J. \$24,000. Architect, Frank Seeburger, Pennsylvania

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Building. Owner, John Stafford, 1112 Chestnut street. Hollow tile and plaster, two and one-half stories, tile roofs, hot water heating, hardwood floors, electric lighting. Plans in progress. Owner will sub-let all contracts.

Factory, Tioga and C streets. Architects, Rankin, Kellogg & Crane, 1012 Walnut street. Owner, Budd Mfg. Company, Aramingo and Tioga streets. Brick and concrete, three stories, 75x50 feet, slag roof, steam heating. Plans in progress. Architects will take bids in about one week.

Factory, Baltimore, Md. Engineer, N. M. Loney, 447 West Fourteenth street, New York City. Owner, American Can Company, 447

West Fourteenth street, New York City. Reinforced concrete, three stories, 258x176 feet, slag roof. Owners taking bids due December 12. Cramp & Co., Denckla Building, are figuring.

Residence, Cynwyd, Pa. \$10,000. Architect, Frank Seeburger, Pennsylvania Building. Owner, E. E. Nickson, Land Title Building. Textile brick and hollow tile, two and one-half stories, slate roof, hot water heating, electric lighting, hardwood floors. Architects taking bids due December 14. The following are figuring: Metzger & Wells, Heed Building; A. L. Fretz & Sons, 1222 Chancellor street; Charles Gilpin, Harrison Building; John E. Kearney, 372 North Sixty-third street; Carvan Construction Company, 5143 Irving street; Mowrer Bros., Merion, Pa.

Club House (alt. and add.), Atlantic City, N. J. Architect, Herman Miller, Crozer Building. Owner, Cosmopolitan Club, Atlantic City, N. J. Frame, three stories, 40x80 feet, slate roof, electric lighting. Plans in progress. Architect will be ready for bids about January 1.

Stock House, Easton, Pa. Architects, Peuckert & Wunder, 310 Chestnut street. Owners, W. Kueblers Sons, Easton, Pa. Brick, steel and concrete, fireproof, six stories, 42x70 feet, slag roof, electric lighting. Plans completed. Architects ready for bids.

Store Building (alt.), 607 South Second street. Architect, Clyde S. Adams, 1233 Arch street. Owners, H. Lichtenstein & Son, on premises. Brick, three stories, consists of general alterations. Architect has received bids.

Store and Light Mfg. Building, Twelfth and Winter streets. Architect, Charles E. Oelschlager, Harrison Building. Owner's name withheld. Brick, four stories, 39x93 feet, slag roof (steam heating and electric work reserved). Architect has received bids.

Hotel, Allenhurst, N. J. Architects, Brazier & Robb, 1133 Broadway, New York City. Owner, The Dunes Hotel, care of Robert S. Schultz, Allenhurst, N. J. Brick, terra cotta and steel, fireproof, seven stories, Sayre & Fisher bricks, tile and slag roof, steam heating, electric lighting. Architects taking bids due December 16. R. C. Ballinger & Co., 218 North Thirteenth street; J. E. & A. L. Pennock, Land Title Building, are figuring.

Y. M. C. A., Titusville, Pa. \$75,000. Architects, Jackson & Rosencraus, 1328 Broadway, New York City. Owners, Y. M. C. A., of Titusville, Pa. Brick, steel and terra cotta three stories, 114x79 feet, Devonshire bricks, concrete and hollow tile, fireproofing, limestone, interior marble. Architects taking bids due January 3, 1913. Metzger & Wells, Heed Building, are figuring.

Residence, Three Tuns, Pa. Architects,

Savery, Scheetz & Savory, Stephen Girard Building. Owner, Mrs. Warren R. Birchall, 547 Pelham road. Stone, two and one-half stories, 53x23 feet, shingle roof, hot water heating, hardwood floors, electric lighting. Plans in progress.

Church and School, Tamaqua, Pa. \$30,000. Architects, Honon & Boyle, 14 South Broad street. Owners, St. Jerome's R. C. Church, Tamaqua, Pa. Brick, stone trimmings, one and two stories, slate roof, steam heating, electric lighting. Plans in progress. Architects will take bids in about two weeks.

Factory, Juniper and Federal streets. \$40,000. Architect, Charles Balderson, 411 Walnut street. Owner, E. K. Plumly, 213 Church street. Reinforced concrete, four stories, 70x109 feet, slag roof, steam heating, electric lighting. Plans about completed. Contract will be awarded without competition.

Residence (alt.), Three Tuns, Pa. Architects, Savery, Scheetz & Savory, Stephen Girard Building. Owner, Mrs. Warren R. Birchall, 547 Pelham road. Stone, two and one-half stories. Consists of general remodeling of interior. Architects have received bids.

Bakery (add.), Forty-eighth and Wyalusing avenue. Architects, Henon & Boyle, 14 South Broad street. Owner, St. John's Orphan Orphan Asylum, on premises. Brick, two stories, 24x35 and 19x26 feet, tin roof, electric lighting (heating reserved). Architects have received bids.

Bakery, Eleventh avenue and Fiftieth st., New York City. \$100,000. Architects, Stuckert & Sloan, Crozer Building. Owners, Horn & Hardart Baking Company, 818 Chestnut street. Reinforced concrete, six stories, 88x175 feet, slag roof, steam heating, electric lighting. Revised plans in progress.

Warehouse, Twenty-first and Somerset sts. \$8,000. Architect's private plans. Owner, F. Mark Contracting Company, 2820 North Twenty-first street. Brick, two stories, 45x78 feet, slag roof. Owners will sublet all contracts.

Cottage, Atlantic City, N. J. Architects, Thomas, Churchman & Molitor, 1309 Walnut street. Owner, Louis H. Sickles, 726 Chestnut street. Frame, two and one-half stories, 30x56 feet, slate roof, hot water heating, electric lighting. Architects taking bids due December 12. The following are figuring: Doak & Co., Crozer Building; Stacey Reeves & Sons, 1611 Filbert street; H. E. Baton, Tenth and Sansom streets; H. H. Burrell, 1204 Chancellor street; Karrer Bros., 38 Texas avenue, Atlantic City; Knauer Construction Company, 132 New York avenue, Atlantic City, N. J.; E. Ellsworth Smith, 2809 Fairmount avenue, Atlantic City, N. J.; Philip Hannum, 16 North Georgia avenue, Atlantic City, N. J.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Residence, Northeast corner Twenty-second and DeLancey streets. Architects, Mills & Van Kirk, Harrison Building. Owner's name withheld. Brick, three stories, 18x60 feet, tin roof, electric lighting, hardwood floors (heating reserved). Contract awarded to North Philadelphia Construction Company, 137 North Eleventh street.

Cottage, Oakburne, Pa. Architects, Bissell & Sinkler, Bailey Building. Owners, Pennsylvania Epileptic Hospital and Colony Farm, Ashbourne, Pa. Hollow tile and plaster, two

stories, slate roof, steam heating, electric lighting. Plans in progress.

Store (alt. and add.), 216 Market street. Architect, William Hoffman, Bingham Hotel, Philadelphia. Owner's name withheld. Brick three stories, electric lighting, steam heating, slag roof. Architect taking bids due December 19. Lam Building Company, 1001 Wood street, is figuring.

Store (alt. and add.), 622 Market street. Architect, William Hoffman, Bingham Hotel. Owner's name withheld. Brick, four stories,



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electric lighting, steam heating, slag roof and interior alterations. Architect taking bids due December 19. Lam Building Company, 1001 Wood street, is figuring.

**Residence**, Germantown, Philadelphia. Architects, Duhring, Okie & Zeigler, Bailey Building. Owner, R. W. Scott, 615 West Upsal street. Stone and frame, two and one-half stories. Plans in progress. Too early for details.

**Apartments (alt. and add.)**, 4204-10 Parkside avenue. Architect, Charles H. Caspar, West End Trust Building. Owner, F. A. Poth Estate, 4208 Parkside avenue. Brick and stone, four stories, electric lighting, steam heating, slag roof. Plans in progress.

**School**, Third and Mifflin streets. Architect, J. Horace Cook, Land Title Building. Owner, Board of Education, City Hall. Brick, limestone, terra cotta, steel and concrete, fireproof, four stories, 112x279 feet, slate and slag roof, electric lighting, steam heating, enamel bricks. Bids opened as follows: Cramp & Co., \$435,257; Sax & Abbott, \$438,877; Thos. Reilly, \$439,731; H. H. Wehmeyer, \$454,200; B. Ketcham's Son, \$461,500; Doak & Co., \$468,417; J. E. & A. L. Pennoek, \$494,800.

**School (add.)**, Fifty-eighth and Willow avenue. Architect, J. Horace Cook, Land Title Building. Owner, Board of Education, City Hall. Stone, three stories, electric lighting, steam heating. Bids opened as follows: Mitchell Bros., \$35,900; Doak & Co., \$36,975; H. E. Baton, \$38,150; B. Ketcham's Son, \$38,398; P. J. Hurley, \$38,970; F. W. Van Loon, \$40,487; Wayne Contracting Company, \$40,500; David Peoples, \$42,157.

**Office Building**, 1619-21-23 Arch street. Architects, Ballinger & Perrot, 1211 Arch street.

Owners, Pennsylvania Mutual Life Insurance Company and American Catholic Union, 1619 Arch street. Granite, brick, terra cotta, and steel, fireproof, ten stories, 80x66 feet and 34x79 feet, slag roof, steam heating, electric lighting. Contract awarded to John R. Wiggins & Co., Heed Building, who will soon take sub-bids on all lines.

**Stores and Offices**, 4406-08-10 Main street. \$5,000. Architect's private plans. Owner, Charles McDowell, Main and Levering streets, Manayunk. Brick and concrete, two stories, 41x29 feet, slag roof. Contract awarded to William H. Eddleman, 458 Green lane, Roxborough.

**Lodging House (alt. and add.)**, 148-50-52 North Eighth street. \$15,000. Architects, Milligan & Pierson, 520 Walnut street. Owner, L. E. Lyons, 148 North Eighth street. Brick, four stories. Contract awarded to I. Solomon & Son, 148 North Eighth street.

**Residence and Garage**, Elkins Park, Pa. \$30,000. Architect, Horace Trumbauer, Land Title Building. Owner, Sidney F. Tyler, Land Title Building. Stone, two and one-half stories, 66x33 feet and 44x24 feet, shingle roof, red oak floors, Makin-Kelsey heater for house and hot water heat for garage. Contract awarded to Milton J. Young, Overbrook, Pa.

**Factory**, Camden, N. J. \$50,000. Architect, J. O. Jeffries, 1001 Chestnut street. Owner, Camden Curtain and Embroidery Company, Camden, N. J. Brick, five stories, 65x105 feet, tin roof (heating and electric work reserved). Contract awarded to George Bachmann, 19 North Thirtieth street, Camden, N. J.

three stories, 16x58 feet, Eighth and Snyder avenue.

Davidson & Silberman (O), Eighth and Snyder avenue. Cost, \$5,500. Store and dwelling, 16x58 feet, three stories, Eighth and Cantrell streets.

William H. Maule (O), 1707 Filbert street. Cramp & Co. (C), Denckla Building. Warehouse, reinforced concrete and brick, eight stories and basement, 108x60 feet, slag roof, Twenty-first and Arch streets. Cost, \$100,000.

Bernard Shore (O), 6339 Woodland avenue. Cost, \$10,000. Moving picture theatre, brick, one story, 19x48 feet, Forty-sixth and Woodland avenue.

James Kerr (O), 1729 Mascher street. J. Pollock (C), 2762 Ringgold street. Cost, \$5,500. Moving picture theatre, brick, one story, 38x93 feet, Frankford avenue and Belgrade and Crease streets.

Mrs. Frederick Schuler (O), Sixth and Rockland streets. John Schuler & Son (C), Sixth and Rockland streets. Cost, \$3,600. Two dwellings, stone and brick, two stories, 16x42 feet, Fifth and Rockland streets.

## Alterations and Additions

Owen Letters & Sons (O), Trenton avenue and Westmoreland street. Brown-King Construction Company (C), Harrison Building. Cost, \$11,000. Coal trestle.

George Unterkofler (O), Fifteenth and Shunk streets. Lucci & Padelese (C), 1645 Ells worth street. Cost, \$1,250. Stable, Fifteenth and Federal streets.

Bergner I Engel Brewing Company (O), Thirty-second and Master streets. Stacey Reeves & Sons (C), 1611 Filbert street. Cost, \$750. Storage.

Hess Bright Company (O), Front and Erie avenue. J. F. Johnson & Son (C), 331 North Fourth street. Cost, \$585. Manufactory.

P. Spinelli Bros. (O), Passayunk avenue and Federal streets. Cost, \$7,500. Stable.

Overbrook Presbyterian Church (O), Overbrook, Pa. M. W. Young (C), Overbrook, Pa. Cost, \$550. Church.

Lloyd Garrett Co. (O), Fifteenth and Walnut streets. M. W. Young (C), Overbrook, Pa. Cost, \$500. Store, Fifteenth and Locust streets.

Stern & Rosenburger (O), Marshall and Girard avenue. E. H. Sturts (C), 2614 Ridge avenue. Cost, \$1,400. Store.

American Baseball Club (O), Twenty-first and Lehigh avenue. William Steele & Sons (C), Sixteenth and Arch streets. Cost, \$73,000. Stands.

Dr. Samuel Wolf (O), 1816 South Sixth street. L. M. Shestack (C), 322 Dickinson street. Cost, \$1,675. Dwelling, 1814 South Sixth street.

John Purdy (O), Oak Lane, Pa. John A. Wilson, Ja. (C), 1218 North Eleventh street. Cost, \$1,000. Store, 2620-22 Germantown avenue.

John L. Fry (O), 929 Real Estate Trust Building. Cost, \$1,100. Store and dwelling, Twelfth and Luzerne streets.

Thomas Murphy (O), 1351 Melon street. Cost, \$500. Store and dwelling, 1351 Melon street.

Vito Antonio Del Vecchio (O), 924 Passayunk avenue. T. L. Makin (C), 2220 Bridge street. Cost, \$350. Store and dwelling, hat water heating system, 806 Christian street.

L. E. Lyons (O), 148 North Eighth street. I. Solomon & Sons (C), 148 North Eighth street. Cost, \$15,000. Stores and dwellings, 148-50-52 North Eighth street, alterations for lodging houses, brick fire tower.

M. Lemich (C), 1228 South street. J. Gorchov (C), 317 Reed street. Cost, \$800. Store

## Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

W. Murry (O), 4406 Pine street. S. R. Edge (C), 5014 Willos avenue. Cost, \$2,700. Garage, brick, two stories, 25x30 feet, Forty-fourth and Osage avenue.

H. B. Shoemaker (O), 24 South Seventeenth street. Cost, \$8,000. One dwelling and store, three stories, 34x52 feet, Wissahickon avenue.

Philadelphia and Reading Railroad Company (O), Twelfth and Market streets. Chas. Gilpin (C), Harrison Building. Cost, \$43,000. Station, brick, two stories, 35x98 feet, Ninth and Spring Garden streets.

The Atlantic Refining Company (O), 3144 Passayunk avenue. Cost, \$3,500. Shop, brick, one story, 31x91 feet.

City of Philadelphia (O), City Hall. P. J. Hurley (C), 1233 Cherry street. Cost, \$40,500. Morgue and laboratory, brick, two stories, 40x70 feet, Second and Luzerne streets.

Free Library of Philadelphia (O), Thirteenth and Locust streets. William R. Dougherty (C), 1608 Sansom street. Cost, \$30,000. Library, Broad and Ritner streets.

F. Mark Contracting Company (O), 2820 North Twenty-first street. Cost, \$8,000. Store house, Twenty-first and Somerset streets.

Vernon Halls (O), 1720 Alter street. Cost, \$350. Stable, brick, 28x16 feet, Eighty-seventh and Lyons avenue.

Charles McDowell (O), Main and Levering streets, Manayunk, Pa. William H. Eddleman (C), 458 Green street, Roxborough, Pa. Cost, \$5,000. Store and office, 41x29 feet, two stories, brick and concrete, 4406-08 Main st.

R. C. Remmey Sons Company (O), Hedley street and Delaware avenue. Cost, \$10,000. Factory, brick, one story, 94x50 feet and 162x187 feet, Hedley street and Delaware avenue.

John Wyeth & Bro. (O), Eleventh and Washington avenue. Cost, \$50,000. Light manufacturing building, brick and terra cotta, steel, three stories, 95x180 feet, Twelfth and Washington avenue.

Calegio Miserendine (O), 1916 South Fifteenth street. D. Marsicovetise (C), 813 Latona street. Cost, \$2,600. Store and dwelling, brick, 18x27 feet, 1202 Reed street.

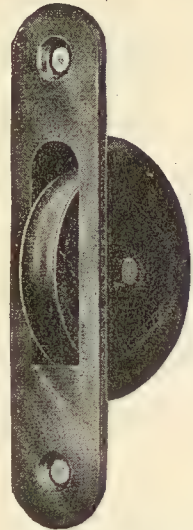
Davidson & Silberman (O), Eighth and Snyder avenue. Cost, \$24,000. Six stores and dwellings, 15x26 feet, Eighth and Snyder avenue.

Davidson & Silberman (O), Eighth and Snyder avenue. Cost, \$6,000. Dwelling, brick,



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and dwelling, 1220-1228 South street.

A. F. McClintock (O), 5940 Lansdowne ave-  
nue. T. Eshainson (C), 145 West Robinson  
street. Cost, \$600. Dwelling, 5940 Lan-  
sdowne avenue.

I. Zietzeb (O), 2651 West York street.  
Harry Slass (C), 1303 North Seventh street.  
Cost, \$750. Store and dwelling, Natrona and  
Cumberland streets.

Pneumatic Fire Repair Company (O), 1308  
Callowhill street. Cost, \$600. Flush bulk,  
1302 Callowhill street.

Boulevard Garage Company (O), 1405 Race  
street. H. L. Roberts (C), 1512 Vine street.  
Cost, \$300. Garage, 1538 Race street.

Wilfong Iron Works (O), Fifty-second and  
Gray's Ferry avenue. Willard Myers (C),  
2000 East Cambria street. Cost, \$600. Foun-  
dations, Fifty-second and Gray's Ferry ave-  
nue.

O. M. Preston (O), 701 East Girard avenue.  
Harry Drake (C), 3139 Frankford avenue.  
Cost, \$2,000. 707 East Girard avenue.

Jacob Finberg (O), 304 Catharine street.

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Samuel Levitt (C), 439 Dickinson street.  
Cast, \$600. Store, 6029 Vine street.

J. Borenstein (O), 4109 Market street.  
David Golstein (C), 911 Moore street. Cost,  
\$800. Store and dwelling.

E. A. Keenan (O), 4612 Wayne avenue.  
John McShain (C), 631 North Seventeenth  
street. Cost, \$2,250. Store, 7130 German-  
town avenue.

Mary Delmalto (O), Livingston street.  
Rambo S. Wilson (C), Flemming street. Cost,  
\$500. Dwelling, 140 Jamestown street.

University of Pennsylvania (O), Thirty-  
fourth and Spruce streets. Cost, \$425. Clinic  
and laboratory, 124 and 126 South Thirty-  
fourth street.

Steele-Heedle Manufacturing Company  
(O), 2110 Allegheny avenue. George L. Sipps  
(C), 912 Locust street. Cost, \$650. Shen,  
Twenty-first and Lippincott streets.

George W. Fittzell (O), 820 Arch street.  
George L. Sipps (C), 912 Locust street. Cost,  
\$700. Store, 820 Arch street.

Wakefield Presbyterian Church, on prem-  
ises. J. Dunlay (C), 1510 Melon street. Cost,  
\$1,275. Church, Loudon street and German-  
town avenue.

Dannenbaum Sons Company (O), 808 Arch  
street. Harry R. Rust (C), 724 Ludlow  
street. Cost, \$1,800. Business building, 812  
Arch street.

Thomas L. Smith (O), 5125 Woodland ave-  
nue. Carriage house. Cost, \$400. 5123  
Woodland avenue.

William J. Thomas (O), 4228 Germantown  
avenue. James Mole & Sons (C), 1718 Cayu-  
ga street. Cost, \$300. Kitchen, 4228 Ger-  
mantown avenue.

Dr. O'Connor (O), 2536 West Lehigh ave-  
nue. Edward Rieber (C), 2632 West Lehigh  
avenue. Cost, \$575. Dwelling, 7033 Ridge  
avenue.

Kahn & Greenburg (O), 1515 Chestnut  
street. A. Barsky (C), 1415 Sixth street.  
Cost, \$350. Dwelling, 1630 Arch street.

John I. Colbourn (O), 5014 Larchwood ave-  
nue. Cost, \$300. Dwelling, 538 South Forty-  
ninth street.

Joseph Morley (O), 3400 North Nineteenth  
street. Brown & Doran (C), 2743 North  
Front street. Cost, \$775. Hot water heating  
system, 3400 North Nineteenth street.

Michael Sullivan (O), Bull's Head Bazaar.  
C. E. Cooper (C), Thirty-fourth and Race  
streets. Cost, \$800. Storage house, Thirty-  
seventh and Market streets.

Louis Georcie (O), Christian and Passyunk  
avenue. Charles Walters (C), 527 South  
Twenty-seventh street. Cost, \$750. Store  
and dwelling, 1153 South Eighth street.

F. W. Cassidy & Bro. (O), 1157 South Sev-  
enteenth street. Charles Walters (C), 527  
South Twenty-seventh street. Cost, \$1,170.  
Store and dwelling, 1255 South Seventeenth  
street.

Robert Kellough (O), Wayne and Duval  
street. Walter Walker (C), 2031 Cheltenham  
avenue. Cost, \$300. Dwelling, heating appar-  
atus, 6323 North Twenty-first street.

Robert Killough (O), Wayne avenue and  
Duval street. Walter Walker (C), 2031  
Cheltenham avenue. Dwelling, heating appar-  
atus. Cost, \$300. 2102 Cheltenham avenue.

Robert Killough (O), Wayne avenue and  
Duval street. Walter Walker (C), 2031  
Cheltenham avenue. Cost, \$300. Dwelling, heat-  
ing apparatus, 2102 Cheltenham avenue.

Mrs. Ennis (O), 7278 Woodland avenue.

Charles E. Futeher (C), 2144 South Simpson  
street. Cost, \$350. Store and dwelling, brick  
window.

F. W. Shinbock (O), 1333 North Thirteenth  
street. R. S. Heckler (C), Lansdale, Pa.  
Cost, \$490. Dwelling, hot water heating plant.

Pennsylvania Market House (O). Vulcan-  
ite Paving Company (C), Land Title Build-  
ing. Cost, \$7,000. Market, Twenty-ninth and  
Market streets.

Gillinder & Sons, State Road and Deve-  
reaux street. J. H. Davis (C), 6117 Edmund  
street. Cost, \$300. Store, one-story addi-  
tion, 64x18 feet.

Philadelphia and Reading Railway Com-  
pany (O), Reading Terminal. Enos L. Seeds  
(C), 6314 Wissahickon avenue, Germantown.  
Cost, \$300. Freight house, Midvale avenue  
and Philadelphia and Reading Railway, East  
Falls, Pa.

J. J. Short & Bro. (O), Twenty-first and  
Ludlow streets. George & Borst (C), 277  
South Eleventh street. Cost, \$13,000. Stable  
and riding academy, new brick front, fire  
tower and elevator shaft, Twenty-first and  
Ludlow streets.

James Yocum, Jr. (O), 145 North Second  
street. William Meyer Company (C), 216  
Quarry street. Cost, \$500. Store, new brick  
front, 157 North Second street.

P. Ervin Swartley (O), Fifty-eighth and  
Haverford avenue. James F. Halliman (C),  
5218 Vine street. Cost, \$550. Storage house,  
low pressure steam heat, 810 Sansom street.

John L. Ruhl (O), 3701 North Fifth street.  
George & Cooke (C), 120 Delphine street.  
Cost, \$500. Dwelling, hot water heating,  
Fifth and Erie avenue.

William Speer (O), 429 North Fifty-third  
street. Carvan Construction Company (C),  
5143 Irwing street. Cost, \$1,300. Dwelling,  
429 North Fifty-third street.

United Gas Improvement Company (O),  
Broad and Arch streets. Cost, \$430. Garage,  
1615 North Ninth street.

T. Lewis Thomas (O), 214 Pelham road.  
W. John Stevens (C), Wyncote, Pa. Cost,  
\$1,100. Residence, porch, Emlen street and  
Pelham road.

Yee H. Kee (O), tenant, C. M. Reber (C),  
1018 Spring Garden street. Cost, \$600. Store  
and restaurant, 823 Walnut street.

John T. Coburn (O), 5014 Larchwood ave-  
nue. Cost, \$400. Garage, 538 South Forty-  
ninth street.

City of Philadelphia (O). George B. Clopp  
(C), 3207 Spring Garden street. Cost, \$300.  
Retaining wall, MsMahon avenue and Price  
street.

Edward Garlick (O), 2934 East Venango  
street. F. Birklebach & Co. (C), 4608 Rich-  
mond street. Cost, \$300. Store, 2928 East  
Venango street.

Edward Bommen (O), 2121 North Nine-  
teenth street. Max Miron (C), 1320 South  
Sixth street. Cost, \$80,000. Tenement house,  
east side of Wayne and South Loudon streets.

J. I. Coulbourn (O), 538 South Forty-  
ninth street. Thomas H. Beamer & Co. (C),  
Fifty-seventh street and Pine street. Cost,  
\$465. Dwelling, 538 South Forty-ninth  
street.

Frederick Hour (O), 4204 Market street.  
Thomas H. Beamer & Co. (C), Fifty-seventh  
and Pine streets. Cost, \$350. Cigar store,  
5205 Market street.

Dr. B. McMacken (O), Ridley Park. Cost,  
\$350. Office, 6018 Baltimore avenue.



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**THE FRANKLIN PAPER CO., Inc., 718-720 Cherry Street, Phila.***Distributing Agents***SECESSIONIST ARCHITECTURE IN AMERICA**

Departure from Academic Traditions of Design

In speaking of "Secessionist Architecture" in this country, one borrows the term if not the style from Europe. The first exhibition of secessionist art was held, I believe, in Vienna, and the idea of letting down all bars of precedent rapidly spread to Germany. The ideas in painting, in sculpture, in the design of furniture, interior decorations and architecture were ideas newer than "art nouveau." They were radical, subversive, fantastic. It seemed, from illustrated views of secessionist exhibitions that art was to be started again at its primal beginning, disregarding all historic precedent. In common with the art nouveau movement or, indeed, with any radical school of design, the products of the secessionists were not wholly bad. Some of their ideas were excellent. They advocated simplicity, but it was a simplicity so bizarre as to be extreme. Theirs was the cult of "a single flower against a background of nothing at all;" a single, unbroken wall surface, perhaps twenty feet long by fifteen feet high, was decorated by one very small picture hung in the extreme lower left-hand corner. This, with two chairs, of pattern hitherto unassociated with chairs, and of an appearance verging on the improbable, might constitute the entire decoration of the room. Of course, all would be in subdued tones and scientifically studied colors. In order to avoid a clutter of furniture, there might be a solitary vase or a statuette (symbolizing the "Immortality of the Infinite" or some kindred idea), placed in a small and entirely unadorned rectangular niche in some unlikely place in the wall. To put anything in the center of a space, or in any other place where it might be expected to be found, or, indeed, to design or harbor anything of an expected or normally probable design, were heresy and backsliding in the secessionist creed.

But if the school, or movement, which advocated and exhibited these peculiar tendencies had reached no greater heights, the secessionist idea would have been by now nothing but a memory. There were, in some of the interiors devised by their anarchistic decorators and architects, many which seemed restful, and many which suggested the Japanese interior.

In Japan the idea of simplicity is the keynote of the highest type of interior decoration—restful wall spaces, very little furni-

ture (and that simply designed) a single rare print or "Kakemono" of subdued tone and, perhaps, a single rare porcelain on a plain teakwood pedestal. Consequently, when the secessionist interiors even remotely suggested the Japanese, they laid themselves open to the suspicion that perhaps they held some good buried in their seeming eccentricity. And such merit as they did possess lies entirely in their almost militant simplicity. They defy the crowded and over-decorated "periods," and seem to speak at times with the same tongue of sincerity and protest vulgar ostentation that made the mission style so welcome to an esthetically weary world. Undoubtedly the secessionist feeling, even if it has been unknown by that name in this country, has made its influence felt in many American designers and architects, over and under and in spite of its manifest vagaries. Certainly there are three architects who, even if they are not admittedly exponents of the secessionists of Europe, are secessionists at heart, and in terms of their own convictions and ideals—Louis Sullivan, Frank Lloyd Wright and Walter Burley Griffin.

Even if these men were thoroughly imbued with the ideas of the cult, they could not, here in America, find the absolute acceptance of their propaganda among American clients that is possible to the European architect—especially the German and the Austrian. We cling, for example, with an almost pathetic provincialism to our furniture, bad as much of it is—even to our rocking chairs. Those who will accept Mr. Wright's furniture are so rare as to form a negligible factor in the discussion of a movement or a style, but those who have had built for them houses basically different from any sort of classic tradition are now sufficiently numerous to make us think (one had almost said fear) that we have in America a secessionist school as radical as that which amazed Europe a few years ago.

Perhaps the first architect to indulge in these originalia was Louis Sullivan, though there may be many who will deny his tendencies toward anything resembling European secessionism. This, however, is immaterial to the discussion, since we are concerned directly with manifestations of secessionism in this country. With Mr. Sullivan it took the form of complete renunciation on his part of all precedent, and the evolution of a pecu-

liar and individual type of decorative design which has become known wherever American architecture is known.

It is hardly illuminating to say that he was followed by Frank Lloyd Wright. That Mr. Wright's work partakes of certain elements of Louis Sullivan's is rather to be attributed to their close similarity in point of view. If one were in search of comparisons (no matter how far-fetched), one would be inclined to say that Louis Sullivan's architecture suggests the Mohammedan, while Frank Lloyd Wright's suggests the Japanese. And suggestion is as far as any analogy could sensibly go, for in the work of both there is little in common but independence and originality and secessionism.

Frank Lloyd Wright has attained wide popularity in the Middle West, and the merits of his very radical architecture seem to have made a strong appeal to his clients. It cannot be denied, even by fairly conventional conservatists that there is much in secessionist architecture which is sincerely pleasing. The broad, restful spaces, the freedom from meaningless moldings, the harmonious colors used, the craftsmanship and appropriateness of furniture, fitments, rugs, curtains, lamps and even leaded windows appeal as a refreshing relief after many decorative aberrations under which we have labored in this country.

The third of the three most prominent architects who might be called American Secessionists is Walter Burley Griffin, whose work bears a strong resemblance in handling to that of Frank Lloyd Wright. Here are the simple proportions, the broad, flat surfaces, the ingenuity of detail that mark the secessionist. "L'Art Nouveau" was a very different matter. There it seemed that the designers uncorked a magic bottle of design, which, like a monster of the Arabian Nights, rose up and overwhelmed them. They conjured up a creature which they were unable to exorcise, and after the "Art Nouveau" movement had risen to a sufficient magnitude to seriously alarm the art world, it subsided into a much modified and tamed by-product of a more rational modernism.

In distinction, the secessionist school regards decoration as an accessory to design as a whole, the art nouveau fanatic regarded the whole design as subordinate to the decoration. Radical as he may seem, the secessionist is really a conservative in his sparing

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use of decoration as such, for he believes, like the Japanese, that its emphasis and value is strongest when it is made an incident rather than an end in itself. Like anything else of its kind, a house built in conformity with the creed of the secessionist is of artistic consequence only if its owner believes in that creed. If he has built a bizarre house merely because he thinks there may be some unsuspected cleverness in it which might be construed by illiterati as "taste" on his part, or because some one whom he is desirous of aping has built a secessionist house, the result is disastrous—but no more so than if the style had been that of one of the recognized and now perfectly tamed periods.

It is interesting to pause and reflect how we have subjugated Tudor, Louis XVth, Chippendale, Adam, Georgian and the rest to meet our present-day tastes and fancies. We have indeed tamed them, after desperate resistance on their part, but while we hold them by that sort of possession which is nine points of the law, they often seem as little a part of our proper possessions as a caged tiger at the zoo. And to pursue the analogy further, one has often been led by a proud nouveau riche into a room, with the words: "This is my Louis XVth reception room," much as one might be similarly led to a cage and told, "This is my pet leopard." We have tamed the period styles wonderfully, but they are not ours and they do not belong on American soil, no matter how pleasingly they may be rendered.

And it was as a protest against the modern revival of historic styles that the secessionist school was originally founded—it was an artistic and architectural declaration of independence, a demonstration which might almost be called a reaction. There are more fish in the sea than were ever taken out of it, and in no wise differently have the secessionists, both European and American, set about beginning art and architecture at the beginning, in hopes of evolving a paramount style, instead of beginning at the end and looking backwards for their salvation.—C. Matlack Price in "Arts and Decorations."

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## THE SKYSCRAPER OF TO-MORROW

By THEODORE STARRETT

(President Theodore Starrett Construction Co., New York.)

An interview on the subject of our coming skyscrapers which I recently gave to the New York "Sun" and which attracted the notice of the editor of "Building Management," is the occasion of my further appearance in the guise of a prophet. The "Sun" story was a half humorous altogether serious discussion of the defects of New York skyscrapers—and they are as a rule an unhappy lot of buildings—and a statement or prophecy as to what New York would eventually come to.

I have no patience with criticisms of our American skyscrapers by foreigners or by unpatriotic Americans who love to echo the contemptuous remarks that have been made by these uncomprehending strangers who come from countries where they have not the enterprise to build these great business buildings. Their kings built beautiful palaces and their priests in by-gone days built beautiful churches, but of the modern skyscraper, the distinctive American phenomenon, they are incapable of judging. Our skyscrapers have their faults, due largely to foreign influence, and to the erroneous belief that the external form was the all important consideration. We are working out of this period of misinformation and the economic consideration is roming more and more into its own. It is interesting right now to consider what will be the skyscraper of to-morrow.

### The Beauty of Supreme Utility.

Michael Angelo preached the gospel that nothing is beautiful unless it is true; and truth is only another name for efficiency. That is the sort of beauty that the tall building of the future will have; it will possess the beauty of supreme utility, and in this the New York skyscraper has lamentably failed. It will not be built for an advertisement. It will be built for revenue, this skyscraper of the future. It will be constructed not to create some architectural architectural splurge, but upon the idea of an ocean liner, to carry a maximum cargo at a minimum of expense. In this it will conform to Michael Angelo's thought.

It will be constructed therefore as he constructed a marble man, with a thorough understanding of its inner parts before his outer parts are arrived at. The architect of the building of the future will not be designing architectural ornaments primarily; he will be designing a tremendous engine of working parts. He will first think of the bone of his building and will build the viscera into it and the flesh upon it.

### No Limit to Height—Provided?

As to limitation of height it may be said there isn't any limit, provided there isn't any limit to the ground space on which one builds. The only point is that a building should possess the proportion of utility,

and that proportion ought to be dictated absolutely by the amount of ground space a building occupies. But however large it is, there won't be any minarets and towers are only energy wasted; they are the sacrifices of utility to so-called beauty. The hundred-story office building is an actual possibility, but it won't be a skyscraper in our meaning of the term; it won't be a gaunt, narrow-chested, thin-waisted creation. It will be a giant being with a giant proportion of ground beneath it.

There is no reason why the giant building of future years may not be beautiful, even though it does its work well. It will be like a great ocean-going steamer, which is beautiful in an abstract way, although efficient, and to the understanding eye is far more picturesque than any old sailing vessel that ever sailed the seas. Ornamentation there will be, but it will be of a nature not to interfere with the form. The unfortunate notion that a building must be covered over with meaningless bumps and excrescences, a notion borrowed from foreigners, will be tabooed. Color will be used to produce the contrasts which the eye delights in.

I don't believe that the sort of building I am speaking about will have any overhanging cornice. One reason of this is that as the building becomes old the cornices crumble and rop off. This has happened occasionally and is likely to happen more and more, for the best type of skyscrapers are all very new. Hardly any of them are over twenty-five years old, and the really big ones, in New York at least, are less than a dozen years of age.

### The Practical Utility of Roofs.

The tall building of the future, too, will, in the cities, have a tendency to uniform height, if not in the structure itself—at all events in skeleton shape attached to them for aeronautic platforms; for the development of the airship will exercise a tremendous influence upon all architecture in the next fifty years. There will probably be city regulations governing specific heights; so all buildings within certain areas will reach up, by means of these aeroplane landings, to this prescribed plane. The airship will also largely modify the roofs of great office buildings, upon which at present regular little settlements are built.

This aeroplane notion is coming faster than we think. Three years ago, in talking with the very same interviewer who is the moving cause of these lines, I allowed my imagination to run away with me on the subject of aeroplane stations on the tops of skyscrapers. Within a month the newspapers announced that the Bellevue-Stratford Hotel, in Philadelphia was to have an aeroplane landing on its top. Whether the idea was



ever carried out I don't know. When people get to entering the big buildings from the top there will be entrances there, too, as well as from the street. There will be reception halls at the top. Traffic will come at both ends of the building then.

In these upper reception rooms there will be no necessity for heavy pillars, such as characterize reception halls and rooms at the base of a building. The elaboration of roofs, too, will come into the scheme of things from this increased traffic through the air. Summer gardens will bloom. There will be pergolas and tellises. The tall building of the future will be very pleasant from the top.

But viewing the great building in its economic aspect and returning to essentials as opposed to the outward form there is one great improvement in building, one which it has surprised me has not been made long ago. It is such a very obvious thing. It is the cooling of offices by artificial means on the same idea as that by which we now heat them. This will probably be one of the last reforms. You will regulate your cool as you now regulate your heat from your radiator.

#### Hygiene to Play Important Part.

The tendency of the great building of the future, too, as judged from its evolution in the past, will be to develop a huge machine of cleanliness. It will be a building hygienically as perfect as that of any hospital to-day, toward whose conditions the whole trend of modern building development is working. It will be a dustless place. All the corners at walls and floors and ceiling will be rounded. Useless, dust-collecting mouldings will be omitted and never will be missed. It is probable that the air issuing into it will be filtered and there will be assuredly some arrangement by which all impurities of air generated within it will be sucked out of it as quickly as such impurities are formed. Even now at the New York Municipal Lodging House there is such a mechanism.

Light, too, will be the great aim, as it is indeed, in the most modern of our present office buildings. The office building of tomorrow will be a great light palace whose windows will swing at the touch of buttons.

The most interesting fact, however, in the great buildings that lie before us is that tendencies indicate that they will be cities in themselves. They will, for instance, group themselves about great transportation terminals, or indeed be transportation terminals, as the Hudson Terminal Building has already done, for within them will be all the forces

practically that can supply civilized man with all his needs.

#### Apartments in Office Buildings? Oh, Yes!

There will be a market which is an obvious thing to say, as a market has already arrived in the Hudson Terminal Building. This market will include all the supplies that are deemed necessary to commerce. The presence of banks will become a necessity. They will naturally be arranged on the street level immediately over the market, which may be underground. Then will come the offices for twenty-five or thirty tiers. Above this would naturally be expected the exchange and club concourse and elevator transfer. A couple of stories might be given over to this sort of business.

And then there arrives the consideration of private apartments. Private apartments in an office building? Unlikely? Out at Uniontown, Pa., there was, and may be still, for all I know, a man who made a fortune in coal—several millions. He didn't pull up stakes and move to Pittsburgh and thence to New York to spend his money. He liked the old town too well. So he built a ten-story skyscraper. He got D. H. Burnham, the great skyscraper architect, to do it, and it is the wierdest looking little thing you ever saw in your life.

It sticks up as high as the mountains that surround the town, and although when I saw it about four or five years ago, there were no other skyscrapers in the town and no prospect of them, the architect had planned it with light courts, etc., with a front of fancy brick and back walls of common brick, for all the world as though he were building a skyscraper in New York. Now here is the point about this building:

The lower stories are used for office; the street floor, I think, has a bank that the millionaire is interested in, and five or six of the upper stories are fitted up as apartments that are occupied as residences by the elite of the town. Mrs. Astor does not live on Fifth avenue, but on the top floor of the village skyscraper. She has a view, and I presume a breeze, just as she will have in an upper floor of the future office building of New York City. These things are the envy of her less fortunate neighbors—all of which goes to show that New York, Chicago and other large cities are actually behind the times.

For the future office building, of course, a roof garden would be essential. A country club in the city, too, is not a surprising thing when you view it in relation to the tall building of the future. There would cer-

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tainly be tennis, a gymnasium and a swimming pool; though most of these things have been done already.

So the office building of the future is not so wonderful as it seems. For it will only, after all, represent a collection of human facilities which have individually, almost all, been included in one building or another at present in America. And even the aeroplane platform at the top is not such a long way off.

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**COMPETITIVE PLANS INVITED  
FOR Y. W. C. A. BUILDING AT  
HARRISBURG, PA.**

The Young Women's Christian Association of Harrisburg, Pa., have invited competitive plans, to be submitted January 11th, for a new association building. The following architects will submit plans: DeArmond, Ashmead & Pickley, Bissell & Sinkler, Thomas, Churchman & Moletor, Zantzinger, Borie & Medary, all of Philadelphia, and Janssen & Abbott, Pittsburgh, Pa.; Aymar Embury II, New York City; Harding & Upman, Washington, D. C.; Edward B. Lee, Pittsburgh, Pa.; C. H. Lloyd, Harrisburgh, Pa.; M. I. Kast, Harrisburg.

The building will be built of brick and terra cotta, four stories, 80x50 feet, and will cost \$100,000.

#### SPACE FOR A SMILE.

Beyond His Capabilities.

"Poor fellow! How did he happen to become the occupant of a padded cell?"

"He lost his mind trying to estimate the dimensions of the ultimate skyscraper."

\* \* \*

Nearing the Roof.

"I started to work on my twentieth story yesterday," said a busy looking man, "and I tell you I'm making it pay."

"You are an author?" suggests his neighbor.

"Certainly not! I'm an architect."—"Carpenter and Builder."

\* \* \*

Some "Ette's" in Flats.

"I've a kitchenette in my flat. What's the feature of yours, Jones?"

"A cellarette. And yours, Smith?"

"I've got a suffragette in mine."

\* \* \*

A Matter of Conveniences.

I am now from you renting a place which has got it a rent fith \$15 per month, which is enough that I should pay with nine children and a woman, who is the mother of the nine. She is also my wife. O am from you now got it a notice which tells it to me that I shall after and on the first day of November pay it toy you the sum each month thereafter three dollars more the month besides the \$15. I am asking you like a gentlemans how do you think I should do it. A friend of mine is paying for the same kind of a place with a saloon downstairs only \$14, while from my house to a saloon it is two blocks yet. So your place is not such a convenience. I would if you would please give it to me for the same rents like what it is I should say I

would never move. Would you please be so kind and answer this letter hoping you will see the same as me, I remane."—"Chicago Tribune."

#### THE FINAL RECKONING FOR THE YEAR.

December—the month of final reckoning for the year. The returns will soon be in; the columns of figures totaled and comparisons made with previous years' work. Well, if your yearly trial balance is to the good, you can start the New Year with the resolution to beat that for 1913; if it show a decrease you will begin with a determination to find where the leak is and stop it. Start the New Year with a clean sheet.—"Building Management."

#### WE KNEW WE WOULD START SOMETHING.

Just as we predicted, Mr. Serracino's startling article in the November issue of "Building Management," on "Eliminate the Fakir in Architecture by Requiring a License," created quite a sensation. "The Builders' Guide" of Philadelphia, reprinted the article in full and in an editorial comment invites a discussion of the points Mr. Serracino brought out, by its readers. All professions suffer for the sins of the incompetent. Anything to minimize this condition is worth considering. Perhaps, Mr. Serracino's proposed remedy was somewhat radical. But something of a radical nature is necessary. There are only five or six states in which architects are required to pass an examination before being permitted to engage in the profession.—"Building Management."

#### CHELSEA PARK PLANS ARE ACCEPTED BY CITY.

Plans of J. Fletcher Street, a well-known Philadelphia architect, have tentatively at least been accepted by the City Commissioners for the laying out of the public park and playground at Albany and Atlantic avenues, Atlantic City.

A wide entrance to Boston avenue, eliminating the present dangerous curve by cutting off the point at the northern end of the park plot, is provided for. Also there will be a small circle in the middle of the street for the dual purpose of serving as a monument site and dividing automobile traffic. The railroad tracks will be removed. Special portions of the plot will be set aside as playgrounds and equipped with apparatus. Sidewalks of cement, 17 feet in width, will encircle the park, providing a roomy open-air skating rink for the children.

Director Bacharach has been invited by the Playground Association of America to inform it as to his plan for the skating rink. Also he has been asked by a magazine to write up the projected playground.



## Architectural Notes

The architectural scheme of the Panama Exposition is to be Italian and Spanish, especially the latter, observes the "Architect and Engineer." Instead of the pure white buildings which have characterized various other expositions, the fair at San Francisco will be a vision of gold, red, blue and yellow. Jules Guerin, the well-known artist, is the director of color and decoration for the exposition, and his explanation of the choice of style is both soundly convincing and interesting, while the picture which he draws of the exposition as it will be when finished is alluring. To an interviewer in New York Mr. Guerin said:

"Both the climate and the topography and vegetation of the hills that surround the exposition site remind one of Italy, Greece and Spain. To build a white exposition in such a setting would be out of harmony. Instead, the architectural commission decided to adopt Spanish and Italian schemes throughout. Even when classical architecture is used the white of the columns will be toned down and a soft colored background provided. The festal court, where the big pageants will be held, will be wholly Spanish Renaissance in style and coloring. The walls will have a solid Spanish appearance and the coloring will be gold, red, blue and yellow. From the surrounding hills the Panama Exposition will be as beautiful as a glimpse of fairyland. The color of the roofs will tone down the white of the columns, and the dark green eucalyptus trees and the mirror-like surface of the lakes will add to the general effect. When a building is good it is better by reflection, so the architectural commission has used water wherever it was possible to get an effect. The color scheme will extend even to the walks. At Chicago the glittering cement and the gravel made it unpleasant both for eye and foot. At San Francisco light yellow bricks will be used for the walks."

\* \* \*

We have long noticed the cry of "cottage famine" in England and the efforts of Parliament to solve the problem, comments "House Beautiful." The London Daily Mail recently sent a special correspondent on an extended tour through the rural districts to report on the proportion of laborers' cottages to laborers, and whether the condition of the dwellings was as deplorable as is claimed. His reports, a columns almost daily, were appalling. It makes one suspect that Tennyson had a picturesque country cottage, as well as a revolting city tenement in mind when he wrote bluntly:

"A single sordid attic holds the living and the dead  
And the smouldering fire of fever creeps along the rotten floor  
To the crowded couch of incest in the warrens of the poor."

And yet it was not poverty (though an English farm laborer's wages are pitifully small), but an actual lack of houses, said the "Daily Mail" correspondent, that caused a man, wife, and plentiful offspring to huddle into two rooms; and another large family in the attic. It was a lack of cottages that caused young folks who wished to marry to emigrate, or to remain behind practically married and having children and waiting till a cottage should be vacated that they might go through the marriage ceremony and set up housekeeping. Cottages are spoken for three or four years in advance, and are snapped up the minute the last tenant moves out; but usually it is not by the original couple who "bespoke" them, their affections having shifted somewhat in the interval, not because of any depravity in them, but because they could not establish a home with its common interests.

The large farmers, who lease their farms from some aristocratic hereditary owner, will not build laborers' houses on another man's property; and this other man, usually absentee, says that the rent profit would be eaten up if he built houses for all his tenant's hired men. Naturally those cottages built a hundred or more years ago, when the squire himself used to live in the country and oversee his farmers, are no longer adequate for the natural increase in population; nor are they kept in repair or provided with decent sanitary arrangements. In fact, they are mostly in a state of uninhabitable ruin. It goes hard to believe this of the picturesque, flower-smothered, thatched cottages we have all admired when travelling in England. Yet only here and there, where a rich landlord is interested in his tenants, are new cottages built or old ones repaired (beautiful thatched roofs being replaced by hideous galvanized iron). In the aggregate there are far more laborers than houses, and if all the unfit houses were rejected from the count, the disproportion would be enormous.

In a certain village in Dorset a woman of forty lived in a cottage with her father, and had built up a dressmaking business which supported them both in comfort for years after he had given up daily work in the fields. Last spring the old father died, and the dressmaker was straightway turned out to make room for a family that had three stalwart sons who, with the father, made four more laborers on an estate that sorely needed them. A family of six were thus squeezed into the three rooms where two had lived decently. Meanwhile the evicted dressmaker could find no other cottage wherein she could continue her trade. Her furniture was stored by some pitying neighbor in a leaky shed where it was being spoilt. Unless she could rent a cottage she would have to move away, abandon the little business she had built up, and commence

life over. And there was no cottage to be got. "If I may express my own opinion," continues the correspondent, "it is a blistering shame on the fair name of England that such conditions should exist; but they do exist, and they are everywhere palliated by those responsible—the landed proprietors."

\* \* \*

In addition to being the tallest building in the world, says "Building Management," the Woolworth will enjoy another distinction. It is the largest building ever erected by an individual, and when it is completed it will have cost \$13,500,000, and be free and clear of debt. Mr. Woolworth is the owner, not only of the equity, but of the ground, the basement, sub-basement and each and every one of the fifty-five stories in what is truthfully and actually Woolworth's Building.

\* \* \*

The Crusaders brought back not only plunder, but the habits, the luxuriousness of their old foes, writes F. W. Fitzpatrick, discussing "Early Christian Art." They were captivated by all they had seen in the Orient, they employed artists from the East to build their castles, their great public buildings, aye, even their sacred edifices. And thus was added another mesh to the already stout lashings that held the artistic world bounden to the Orient.

An influence that the men of the fifteenth century believed they had forever outgrown when they again began to copy in season and out of it, and with little skill, the stately models of classic Greece, or the florid creations of imperial Rome; an influence so potent, however, that even we of far-off America and in this late generation, still feel its thralldom.

This Oriental influence is all pervading. We used to think the Gothic arch was inspired by the grand o'er-arching and o'er-lapping of trees, then by the interlacing of arches, but we find that long before the twelfth century pointed arches were used in the Orient and even in Europe back in 500 and 600 A. D. In the pyramid of Gizeh stones were so built abutting diagonally against each other and forming a rude arch, the section of a polygon, also in the pyramid of Meroe and in the gateway of Assos. The early Byzantine artists may have known of it, the late ones certainly had their attention drawn to it by what they observed in Mohamedan art.

The Crusaders were very naturally influenced by what they saw of Mohamedan art, its grace and refinement could not help but influence even the rude warriors, the major part of those armies that, nevertheless, also numbered some artists and many skilled artisans. The moment they returned to their own lands we note their adoption of certain "barbaric" forms, notably the graceful so-called Moorish pointed arch and undoubtedly that very ogival form was the real inspiration, the beginning of the "Gothic" architecture the first crude examples of which began to appear in the twelfth century.



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# Editorial Comment

"The Guide is tempted to seize old Father Time by the forelock in this issue and wish its many friends, readers and advertisers the season's greeting. In the twelve months which have elapsed since we were last called upon to perform this agreeable duty, "The Guide" has been enabled to record material and gratifying progress. Without losing any of the older guard, whose confidence in us has been of incalculable value in helping us over the experimental stages incident to the transition period of "The Guide's" development, we have made many new friends whose support has been an important factor in our growth during the past year.

We have made mistakes, here and there, as a matter of course. "The Guide" lays no claim to infallibility. Such mistakes as we may have had charged against us were, however, of the head rather than the heart. Here, recently, for example, "The Guide" published a little paragraph intended to be altogether complimentary to a very energetic and commendably active member of Philadelphia Chapter. The paragraph was really little more than a good-natured prod at the apathetic element in the local chapter, seasoned with a word or two of merited praise for the member in question who is, in the fullest sense of the word, what is known as "a live wire." Fancy the feeling of "The Guide's" editor upon receiving, from the member thus singled out for praise, the very tartest variety of a tart and sharply-worded lecture, in the course of which we are accused, among other things, of belittling the work of Philadelphia Chapter—the most active, resourceful and potential body of its kind in the American Institute. However much we may have deserved the lecture,—and we can assure our readers that it was a regular old Dutch Uncle masterpiece of its kind,—we must protest that nothing contained in the paragraph upon which it is based will bear out the premise that it did, in fact, or that it could be construed to carry anything of offensive reflection upon Philadelphia Chapter. The thought we had in mind in writing it was that Philadelphia Chapter, containing as it does many of the ablest minds in the architectural profession, should have taken and conceivably could have taken a much more conspicuous part in the recent housing conference than press reports of the affair would seem to indicate it did. "The Guide" is too deeply sensible of the high character, distinguished ability and unselfish public spirit of the men who make up Philadelphia Chapter to dream of accusing this body of more than a passive delinquency—even in the case in question. That our little effort missed fire so grievously proves—if it proves anything,—that "The Guide" is human and liable therefore to error.

It appears that Philadelphia Chapter in

place of being at fault in not devoting to this conference the attention, which to our manner of thinking was due it, had, on the contrary, taken a most active and influential part in every phase of its deliberations, preliminary as well as final, a fact carefully concealed in the accounts of its proceedings published in the daily press. Mistakes, however, will happen in the best regulated families, so here's wishing to Philadelphia Chapter, the T-Square Club, the Engineer's Club, the building trades, our readers, subscribers and advertisers the season's greetings.

May your Christmas be a merry one, your turkey a tender bird, your chef an artist and your appetite of a calibre to do justice to both.

Once again, gentlemen, and with glasses lifted—the season's greetings!

\* \* \*

This is the season of the year when the father of the family gets to feeling like Jones, of Binghamton. Jones,—you may recall,—is the gentleman who advertises his readiness to "pay the freight."

\* \* \*

Early in the New Year "The Guide" hopes to begin its long promised series of thumbnail sketches of the men who are "doing things" in American architecture. While we haven't been saying much about this feature here of late, we have been untiringly active in collecting portraits and data sufficient to insure the permanency of the new department. By the way, why is it that the average architect, of the better type, has such a marked and pronounced dread of everything resembling publicity? Isn't it a fact, capable of easy demonstration, that a certain amount of knowledge of the aims and aspirations of the men who are "making" American architecture is, in a way, indispensable to the proper education of the public in the higher channels of taste? Why should an architect dread publicity any more than a lawyer, a physician or an artist? When the lawyer wins a great legal issue he is glad to have his victory known of men. The surgeon courts publicity upon the success attending a rare and delicate operation. The painter sulks if the newspapers deny his work the mention to which he thinks it entitled. Whence, then, this violet-like diffidence peculiar to the men who design buildings?

\* \* \*

Mr. Henry Tyrrell, in the December number of "Arts and Decoration," pays a glowing tribute to the work in buon fresco of Maximilian Franz Friderang, a German mural painter, whose decorations for the new church of St. Joseph at Babylon, L. I., have attracted wide-spread artistic note.

"In an age and country where reinforced concrete, cement, mortar, stucco and plaster



are taking their place among the chief building materials for the future," writes Mr. Tyrrell, "we have no school of true architectural mural painting, not a single artist-craftsman of prominence who is capable of covering wall and ceiling spaces with appropriate color-designs that shall be a permanent, integral part of the structure they adorn and ennoble, as do and are the great frescoes of classic antiquity, and those executed by such medieval Italian masters as Giotto, Masaccio, Pinturicchio, Ghirlandajo, Raffaele, and, supremely, by Michelangelo.

"In other words, we have no buon-frescoe, or painting in imperishable pigments on the wet mortar, that hardens and crystallizes into what is virtually an inalterable luminous surface.

"For this reason, the new church of St. Joseph's (Roman Catholic) parish at Babylon, L. I., is destined to wide celebrity, not only as a religious shrine but also as an artistic monument, marking a national if not a world-wide era of revival and progress in the all-but-lost art of mural decoration in veritable fresco. This church—a replica in size and general design of San Stefano at Bologna, Italy—is the most beautiful and altogether the most important example of a Byzantine Roman basilica that has ever been reared on this side of the Atlantic. Its crowning feature, the special object of our attention here, is the dome—a typical flat Byzantine cupola, thirty-two feet in diameter, rising a hundred feet above the floor; the whole interior decoration of which, covering a space of some 2,500 square feet, has been painted in actual fresco by the most successful living master of the art, Maximilian Franz Friederang."

\* \* \*

"Before looking at Mr. Friederang's work in detail, let us consider briefly the history, meaning and significance of true fresco-painting.

"This noble medium represents one of the very oldest forms of art. Its pedigree is Egyptian, Greek, Roman, Byzantine. Developed by the medieval Italian painters of the Renaissance, in gradual replacement of mosaic, it was brought to its highest perfection by Michelangelo in the Sistine Chapel, and by Raffaele in the Stanze of the Vatican. With the passing of these two great masters, the secret—or at least the practice—of buon-fresco seems suddenly to have died out. The most notable attempts, in modern times, toward its resurrection, were those made by the mid-Victorian English artists—Leighton, Watts and Poynter—in the Houses of Parliament and the Victoria and Albert (South Kensington) Museum, London. These frescoes have not withstood the test of even half a century's time, and their failure is to be attributed, not so much to the damp climate of England as to the ignorance of the English artists concerning the nature and behavior of the materials of fresco, and their limited knowledge of the chemistry of colors

and the after action of caustic lime on the vegetable and mineral pigments they used.

"The principal alternatives to or substitutes for true fresco employed in ancient and modern mural painting are: The secco, or so-called dry fresco, painted on the surface of the plaster after it has become dry (most of the antique wall-paintings which pass for 'frescoes' are in this medium); spirit fresco, or painting in a wax medium thinned with spirits of turpentine; the German stereochrome, or glass fresco, exploited with measurable success, by Piloty, Kaulbach and their contemporaries—a process of mixing the pigments with soluble or water glass; and the method most commonly employed in Europe and America to-day, that of painting in oils on canvass, which is afterward affixed to the wall surface for which the decoration is designed.

"This latter process—notably exemplified in La Farge's grandiose work in the Church of the Ascension, New York City; in the pictures by Sargent, Abbey and Puvis de Chavannes in the Boston Public Library, and in Mr. John Alexander's epic series at the Carnegie Institute, Pittsburgh—is, of course, not fresco at all, nor is it mural painting in the true architectural sense of the term. It is really a kind of glorified wall-paper hanging."

\* \* \*

"No disparagement is here meant, let us hasten to observe, of the essential artistry of the men named, nor of the distinguished members of the National Society of Mural Painters and the Architectural League. The great regret is, their lack of that broad and diligent craftsmanship which alone could transmit their works to posterity, or even display them to contemporaneous view at their full value and effectiveness. It is owing to a similar lack of craftsmanship and knowledge of materials that the greatest picture in the world, Leonardo da Vinci's 'Last Supper,' has so completely faded out, disintegrated and decayed, that to-day not a single vestige of the master's original color surface remains. On the other hand, not only the works of Leonardo's Italian contemporaries and predecessors in buon-fresco, but the first century wall paintings of Pompeii, buried in the ashes of Vesuvius for nearly a score of centuries, are preserved to us in almost their pristine brilliancy.

"In the dome of St. Joseph's at Babylon we find embodied all the essential qualities of true ecclesiastical fresco; the unequalled light brilliancy and purity of color, the harmonic balance of lines and masses, the flat mural treatment of the figures, with no pictorial illusion of perspective or sharp modeling, and the general subject (the spiritual life and lineage of Saint Joseph from Moses, Abraham and the Prophets to Christ and the Incarnation), in accordance with the best traditions of the art in Christian basilicas—mystic, elevated and symbolical. Such a work evidently must have had its forerun-

ners, of recent date. There are, indeed, several other well-known examples of buon-fresco in the United States, all executed within the last decade—and all by this same artist, Friederang."

## TRADE NEWS AND GOSSIP.

\*\*When the latest million barrels of cement purchased have been used in construction work on the Panama Canal, the quantity of cement employed in the building of the big ditch will have reached a total of 2,200,000,000 pounds. The cost of this item of construction reaches \$6,500,000. If the barrels which contained the cement could be placed end to end, they would exceed 2,300 miles.

\*\*Owing to the fact that there is something of a dearth of comfortable and convenient houses for the working classes in Merthyr-Tydfil, Wales, the house committee of the Town Council, having heard of the cheapness with which concrete cottages could be erected, proposed to build an experimental one with a view to demonstrating the idea. Once it became known, there was a protest from a section of the Labor Party to the effect that "cheap houses at a low rental will perpetuate low wages."

\*\*The net increase of land values in the city of New York for a period of ten years, from 1900 to 1910, was more than the combined gross output of all the gold and silver mines of the United States by \$170,000,000, and greater by \$278,000,000 than all the dividends paid during this time by all the railroads of the United States. And during this time this land was paying satisfactory dividends on its investment.

The Western headquarters of the Otis Elevator Company are now concentrated in their new building, located at 600 West Jackson boulevard, on the northwest corner of Jackson boulevard and Jefferson street, Chicago. The building is eight stories in height, with a frontage of 100 feet on West Jackson boulevard and 142 feet on South Jefferson street.

\*\*Walter W. Kelley, formerly of the Rock Island Railroad, has been made traffic manager for the J. Gibson McIlvain Company, Crozer Building, to succeed T. A. Dalton.

\*\*The J. A. Finley Lumber Company, 342 Land Title Building, Broad and Chestnut streets, is the title of the newest lumber company doing a wholesale business in this city. J. A. Finley, a well-known lumberman, is the president; W. L. Eliason, of this city, a builder, is secretary; and L. L. Maloney, of Wilmington, Del., is treasurer. Mr. Finley, who was formerly a member of the Harding-Finley Lumber Company, is the only one of the firm who will be active in its buying and selling connections. In his twelve years' experience in lumber circles Mr. Finley has been connected with the Burton Lumber Company, Charleston, S. C.; Henson & Pearson, Owen M. Bruner, and three years ago helped organize the Harding-Finley Company.

\*\*At the November meeting of the New York Paint and Varnish Club, the members



## Up-to-Date Lighting

Some people are to-day using improved tallow dips and oil lamps for illumination, simply because they have gotten into an old-fashioned rut. We should all get the Electric Light habit—it will save us money and health, it will lengthen our lives and improve our tempers. The present generation cannot afford antiquated methods.



presented to Mr. H. W. Pearson a silver coffee service, as a token of their appreciation of his work in connection with the New York convention. Mr. Pearson is general manager of the Muralo Company, New Brighton, said to be the largest manufacturers of wall coatings in the world.

\*\*The officers and directors of J. G. White & Co., Inc., believing that the Engineering Construction Department and the Operating Department could be conducted with greater efficiency and profit if separately incorporated, especially in view of the large and increasing volume of engineering and construction work, have recommended that two new corporations be formed, one to be known as the J. G. White Engineering Corporation, to take over the first-named department, and the other to be known as the J. G. White Management Corporation, to take over the operating department.

\*\*Farber & Nurick, architects, 1028 Gates avenue, Brooklyn, desire information regarding terra cotta materials.

\*\*The next meeting of the New York State Association of Builders will be held in the city of Syracuse the latter part of January.

\*\*Otto M. Eidlitz, a member of the arbitration commission which has just rendered a decision in the case of the locomotive engineers, was president of the New York Building Trades Association when the General Arbitration plan was first adopted.

\*\*The twenty-ninth annual convention of the International Association of Master House Painters and Decorators of the United States and Canada will be held in the city of Denver, Col., February 4 to 7, inclusive, 1913. The headquarters will be the Albany Hotel, and the business sessions and exhibition will be held in the Auditorium.

## MAKING OUR CITIES MORE BEAUTIFUL \*

By R. S. PEABODY

\*Notes for three lectures on "Municipal Improvements," delivered before the School of Architecture of Harvard University.

With free opportunity it would seem but rational for any community to prepare for to-morrow as well as to-day; to remember future generations; to practice foresight; and where could a nation's intelligence be exerted to greater profit than in moulding its cities? That combination and co-ordination and co-operation which make a city, also make it a model for town and village in most lines of material and intellectual advance. All this, moreover, is retroactive, for "people are in a large way what the city makes them." How important then is a good and beautiful arrangement for a city. "It pays not only in the current coin of commerce, but in the refinement, the cheerfulness, the happiness, the outlook on life of the poorest citizen."

But as a rule a city is not planned. Most cities just grow. Broadway, the most important street in the plan of the most important city in America, certainly was never planned. Originally a country road extending at Wall street beyond the city fortifications, its natural course would have been, one would have said, into the Bowery and the Boston Road. Some accident turned it northwards instead, and now, not only is it a serviceable and convenient street, but this accident creates the greatest element of picturesqueness in the stupid mechanical plan of New York City. When it intersects the regular network of streets there is a constant succession of effective sites. One of these sites is occupied by the Herald Building and one by the Times Building, and there are many others from Union Square to Columbus Circle. All this happened without intention; but now comes Mr. Marshall with a carefully studied plan for a crescent shaped street making a much needed thoroughfare between the New York Central and Pennsylvania Railroad stations, avoiding the great buildings, creating great values, and adding sites of great beauty to that portion of the city. Here then is one case of accident and one of design. The latter if carried out would give equally good results with the former fortuitous combination. Many towns and villages show unexpected results which are, like Broadway, fortunate; but they cannot be confidently counted upon. They should be considered rather as examples to rival when new work is to be done. There are undoubtedly many happy accidents and sometimes their accidental character gives them a speck of luck.

Many a town started on the open prairie does offer opportunity for a scientific town plan, but these inviting chances are lost because of the scant resources at hand, because of the ignorance of the promoters, or from a desire to make a quick turn of capital.

Hence we find so many of them laid out in uniform rectangles that stupidly disregard valleys or summits or natural contours. But at times real chances for town and city planning do occur. When Washington, with L'Enfant's help, planned and founded the city of Washington in unoccupied country, or when in our day the country capital of Baguio is created by a paternal United States Government spending Filipino taxes wisely, real opportunities again occurred. Even today the rivalry of Melbourne and Sydney is bringing into the Australian world a new city seventy miles from the sea. It is to be equipped with a Parliament House and public buildings, a theatre, a university, an art gallery and a library.

But a residential and governmental city like these makes possible an undivided attention to beauty and stateliness. It differs from the ordinary city where men gather primarily for trade and manufacturing and for business intercourse, and where residence merely follows this trade, and it is plain that the world very seldom offers opportunity for a new plan of a great city where trade creates riches and riches luxury. But though entirely new cities are rare, yet renewed cities are far from rare. New quarters, new boulevards on the sites of fortifications or created by ruthless cutting through ancient blocks, all these may and in fact do offer live questions daily. Most new work must arise from chance occasions. Often a town may be improved. It is but seldom that opportunity comes to a community or an individual to plan a town. Hence the town planner must with us generally be an opportunist ready to act when the chance offers.

The World's Fair at Chicago awakened the American public if not to general civic improvement at least to a lively interest in effective monumental architecture. Already many Americans had traveled widely and many recognized the beauty of individual buildings; but at Chicago our whole people saw, and many of them saw for the first time, how splendid could be the effects gained by the intelligent grouping of noble architecture. The Chicago exhibition was followed by those at Buffalo and St. Louis and Norfolk. Now an interest in monumental architecture has seized the whole country until towns and cities on all sides are talking city plan and civic center. In Philadelphia last year was held the National Conference on City Planning. There was a vast exhibition of designs. You could count sixty American and forty foreign plans for thorough-going city improvements besides the designs for numberless town centers and civic groups. Recent congresses in London and Berlin were even more extensive. These exhibitions made it plain to all that the Germans have beyond any question been the



pioneers and the leaders in these modern studies. Commercial cities like Dusseldorf, Mannheim, Frankfort, Cologne, Wiesbaden and Stuttgart are vying with one another to make their surroundings serviceable, orderly and beautiful, and to increase the happiness, health and well-being of their people. In Germany also more than elsewhere this city planning is done by experts. Town planning has there become a science and is treated as such.

Accepting then the fact that these studies have seized upon the public mind and are worth while, we next ask what is this "City Plan" which has so captivated the popular fancy, and what meaning has it? Mr. Brunner very aptly answers this question by saying:

**"What City Planning Does Not Mean.**

"It does not mean the creation of a civic center and grouping public buildings.

"It does not mean the arrangement of streets and boulevards, nor perfecting the system of circulation and traffic.

"It does not mean the planting, the location of fountains and statues, nor the creation of great vistas.

"It does not mean the formation of a park system with its connecting parkways and small city squares.

"It does not mean the treatment of the water-front, nor the solution of the railway problem with its arches, tunnels and terminals.

"It does not mean the suburban development nor the creation of garden cities.

"It does not mean the location of school houses or playgrounds, either for children or grown ups.

"It does not mean the method of bonding the cost of the improvements—the law of excess condemnation—the legislation required.

"It means all of them considered together, the business side of city planning not being neglected, and I believe the most practical result to be attained is not the beauty of the city, but the consequent elevation of the standard of citizenship."

In fact, we rapidly discover on investigation that city planning like other things has various ramifications.

It may mean little but humble municipal housecleaning and good civic housekeeping in a city already built. It may mean the designing for better opportunities for trade and commerce or for the housing of the poor; and all this in turn may lead to additions to or changes in such a city, or to the designing of a quarter of the city, or the establishment of a civic center, or finally on rare occasions to the planning of an entire town.

The general principles that underlie a city plan evidently depend upon what the people do and how they live. From this will grow first and foremost a plan to make the town convenient for business; secondly, it must be fit for residence and healthy; and finally beautiful. To make commerce easy we must have facilities for local and foreign trans-

portation, permitting a ready transaction of business and hence prosperity. For this the essentials are railroads, docks and delivery roads. To make the city healthy and agreeable there must be economical and healthy homes. Finally, as the ultimate flower and result of what has gone before, there should be such a disposition of the physical city as will make it a fit and beautiful background for city life; the stage setting before which the life of the city is played.

The first need then is to make commerce easy by proper railroad and steamship connections with the rest of the world by land and sea. The docks must have piers long enough for great vessels and sheds large enough for the quick shifting of cargoes. In most foreign ports the ideal dock is one where the tide has no exaggerated rise and fall and where therefore no gates are needed to control it; where the sheds are so large that the ingoing cargoes may be laid out in proper sequence; and where the railroads and teaming road reach all parts of the dock. Moreover, it should be in close proximity to store houses and factories. Indeed, the ideal dock on our coast is of this description and can be found and examined at the Bush Terminals in Brooklyn.

At a terminal or transshipment city besides the main entering railroads some method of intercommunication between them is also essential. This is accomplished either by a circuit railroad as in some cities, or by lighters on the water as in New York, or by a combination of the two. Too often this machinery for the distribution of merchandise is in the hands of large railroads or corporations who can crowd out the competition of other roads or control whole sections of country, but in practically every modern seaboard city that is keeping up with the march of improvement the machinery of the part at any rate is in the control of the public so that all commerce by land or sea may have a fair chance for the delivery and transshipment of goods.

Connected with the railroads must be good classification yards well outside of the city for sorting the arriving cars so that they may be sent in detail to the various different quarters of the city, and good delivery yards in these various quarters for delivering the goods from the cars for distribution through the city by teams and trucks.

The goods having reached the delivery yards by these varied means there is next needed a set of distributary streets for convenient carting. These must be radial roads in the main with occasional encircling circuit roads and of course their use soon extends from the distribution of merchandise to the intercommunication of the inhabitants themselves.

M. Henard, of Paris, has made interesting studies of the main thoroughfares or system of circulation in various cities. He points out that a tree but for distributing causes would be perfectly regular. It would have a straight trunk and a symmetrical bouquet of boughs—

but shade or wind or lack of food often distorts it. It may have all the more character for the changes that come from such accidents. M. Henard in making his theoretic schemes has reversed the process of nature, and from the more or less tortuous and irregular facts has extracted the ideal theory that governs the plans of the different cities that he illustrates.

He shows how Moscow centers in and radiates from the Kremlin, the citadel of political, religious and military authority in Russia.

In Berlin fourteen great roads connected by a circle radiate from the seat of this military government and lend themselves to effective and economical expansion of the city on all sides—an expansion which is in vigorous progress.

In London there are three principal civic centers: Trafalgar Square, the Bank and the Elephant and Castle. From the triangle thus bounded sixteen radial routes diverge. These, as in Berlin, lend themselves to city expansion, but London is deficient in circular boulevards, and the Parliamentary Commissions constantly endeavor to remedy this need.

Paris, on the other hand, has three circular boulevards, but is deficient in continuous radial avenues. Its great centers, the Arch of Triumph and the Place de la Nation, symbolize grandly military glory and the triumph of the Republic, but they serve no important currents of circulation. A study of these theoretic scheme-sketches shows how important it might be to a growing city to establish a large theoretic plan for its streets.

After commerce is established and prosperous by means of ports, railroad terminals and distributing thoroughfares, the next problem for consideration is found in economical and healthy housing and in that civic housekeeping which keeps all the city conveniences in the best of order. As time goes on our municipalities may concern themselves to see that the citizens of all classes are properly housed. Many see in this the chief and main end to be reached by city planning. Cities might create special quarters for residence or special quarters for different classes of residence. At present our laws are merely restrictive and relate to the height of buildings, the area of land covered by buildings, prohibition of obnoxious occupation, etc. But if the housing problem has had comparatively little attention in most of our cities, yet a great deal of energy has been usefully employed in the improvement of our cities by good civic housekeeping. Most of the reports on town planning so common to-day and much of what was shown in recent exhibitions lay most stress on such work. It is comparatively easy and inexpensive and it can work wonders. The main test is "Look ahead." Good civic housekeeping means close attention to work under the following heads:

Parks and playgrounds are the usual and well understood means of improving the surroundings of a town.



Provisions for water, gas, electricity and sewers are almost universal. Paved streets and sidewalks perhaps are less so. Then come subjects all of which tend to make living conditions better and more wholesome. Such as—

Tree planting for shade and the care of old trees perhaps in charge of a commission.

Neater systems of electric wires and poles, perhaps by carrying on one pole street lights, street names, letter box and fire box. Still better an enforced placing underground of a certain fair distance of conduit each year and the carrying of poles and wires through alleys where possible.

Reduction of the objects on the sidewalks, such as showcases, clocks, advertisements, etc.

Establishment of public comfort stations, transfer station, drinking fountains, waste cans, control of advertisements.

Establishment of building lines, of a percentage of lot areas that can be covered without congestion, and the creation of manufacturing and residence sections.

Electricity on railroads and abatement of smoke; abolishment of grade crossings.

When business has been placed on firm foundations and in prosperous courses and when housing is healthy and comfortable, then and as the finishing touch to more material things comes in with prosperity attention to the beautiful. We all know that if the city is prosperous and convenient and healthy there is sure to be that sort of beauty that fitness inevitably produces. But the soul and the imagination demand something more, and the final object of our studies—an object that we can well have in view through all the early stages of city growth—is to produce this something. Were our cities perfect works of art one would find a pleasing picture wherever he turned, whether towards the great church, the public building, the monument, or simply down the street. On every hand would be agreeable impressions and a pleasing background for the life of the city. When the city is old and picturesque there is still an added interest, for "a beautiful old town represents an enormous artistic capital which pays ceaseless revenue in the form of grandiose or picturesque impressions." All that is old and beautiful should be, from its very rarity, a thousand times more precious to us than to dwellers in an older country. Indeed, the history and social character of a town deserve every consideration. When we plan our city or its civic center and when the design can be controlled, it should continue and enforce the character which stamps the city as different from its neighbors. In making such designs, moreover, not only the relations of buildings in plan but their height relative to the width of squares and streets has artistic importance. In designing the various World's Fairs the relation of the height of the surrounding buildings to the width of courts has been a vital feature. The Senate and House buildings at Washington, beautiful in themselves, would make a far more ef-

fective scene if nearer together. In Paris the Place de la Concorde was always large compared to the beautiful buildings that surround it, and now that the Tuileries are destroyed and the Court of the Louvre is opened up one is lost in the vast expanse and looks vainly for the enclosing frame.

But after all the most striking features of a civic plan are the civic centers. They are the focal points in the plan, the high lights of the picture, the chief objects of interest, the most obvious means of gaining effect. It was inevitable that in the civic exhibitions the visionary designs for civic centers should compel attention. Town after town has paid large sums for exquisite drawings of more or less problematic schemes involving showy architecture at a civic center. These overshadow those dull and dry details which are the source of vitality and from which alone can come the resources for embellishment. Just as a plant must have its root and stalk and leaves before the flower graces it to which all the rest lend strength and sustenance, so the business plan is the fundamental

need in a city plan. But the civic center, though but a small part of a complete city plan, is as important as the flower to the plant. It is the final culmination of the city plan. These focal points are what we remember about a town, just as the pictures of them engross us at the exhibitions.

There is, however, nothing very complicated about the designing of a civic center. It is a charming problem, but comparatively straightforward, even when vast like the Place de la Concorde and the other Parisian centers, or like the courts of the various World's Fairs which it might easily resemble. It involves only the skill for which the whole training of a good architect prepares him. Such centers can be better or worse. They can mar or give charm to the whole prospect, but the less inviting though necessary problems of town planning are infinitely more complicated and difficult. The civic center though vitally important is only a fractional part of a good city plan and is generally a straightforward simple architectural problem.

## A RECORD OF PUBLIC AND PRIVATE BUILDING CONSTRUCTION.

	New York Municipal Building.	Woolworth Building.
Excavation begun .....	June 7, 1909	November 2, 1910
Foundation finished .....	December, 1910	December, 1911
Total foundation period .....	18 months	13 months
Steel frame begun .....	June, 1910	September, 1911
Steel frame finished .....	July 1911	July, 1912
Total frame period .....	13 months	10 months
Exterior walls begun .....	March, 1911	February, 1912
Exterior walls to be finished.....	October, 1912	January, 1913
Total wall period .....	19 months	11 months
Structure to be ready for occupancy.....	June, 1913	January 1, 1913
Total construction time .....	4 years	2 years, 2 months
Cubical contents .....	19,400,000 cubic feet	13,200,000 cubic feet
Total gross floor area.....	29 acres	33 acres
Gross area of an average floor.....	39,000 square feet	20,000 square feet
Area of site .....	92,000 square feet	30,000 square feet
Cost (building alone).....	\$12,000,000	\$7,500,000
Cost at site .....	\$6,000,000	\$5,500,000
Height .....	580 feet	750 feet
Number of floors.....	40, of which 15 in tower	55, of which 25 in tower
Weight of structure .....	180,000 tons	123,000 tons
Weight of steel .....	26,000	24,000 tons
Deepest caisson foundation on rock.....	112 feet	130 feet
Number of caissons .....	106	61
Number of bricks .....	12,000,000	17,000,000
Number of windows .....	2,000	3,000
Number of doors .....	2,000	3,000
Number of elevators .....	33	28

## MORE POWER TO THIS COURT.

A man who thought he was in the real estate business in Elk County sued another man for a commission on a land deal. The defendant proved that the plaintiff never carried an advertisement in the local papers as a real estate man nor had any printed cards or letter heads. The jury took the view that the man who did not advertise was not a real estate man, and found for the defendant.—"pansas City Journal."

## REAL ESTATE TRANSFERS.

Summary for week ending December 7th, 1912:

Number of transfers.....	609
Amount of transfers.....	\$1,361,905.00
Cash consideration .....	369,480.00
Mortgage consideration .....	992,425.00
Ground rent consideration.....	9,605.83
Which on a six per cent. basis amounts to .....	160,097.18



# Reference Directory for Architects, Builders and Owners

## Artesian Wells.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.,  
Bourse Bldg., Phila.

## Artists' and Architects' Supplies.

Chas. H. Robbins,  
125 S. 11th st., Phila.  
F. Weber & Co., 1125 Chestnut st., Phila.

## Awnings

Bernard McCurdy,  
N. E. Cor. 9th and Arch sts., Phila.

## Brick (Face, Etc.)

O. W. Ketcham, Builders' Exchange, Phila.

## Brick Renovating.

Adolph Christensen,  
1433 Brown st., Phila.

## Blue Prints

Blue Print Co., 1516 Chestnut Street, Phila.  
Chas. H. Robbins, 125 S. 11th st., Phila.  
H. H. Storey Co., 329 Walnut st., Phila.

## Boilers and Radiators.

Isaac A. Sheppard & Co.,  
Erie ave. and Sepviva st., Phila.

## Builders.

Mitchell Bros., 2125 Race St., Phila.  
Pomeroy Const. Co., 1609 Ranstead st., Phila.

## Builders' and Contractors' Machinery.

Henry T. Peirce, Bulletin Bldg., Phila.

## Canvas Roofing.

The Franklin Paper Co.,  
718 Cherry st., Phila.

## Cement.

Samuel H. French & Co.,  
4th and Callowhill sts., Phila.  
Chas. Warner Co., Land Title Bldg., Phila.  
Knickerbocker Lime Co.,  
266 N. 24th St., Phila.

## Cement and Asphalt Paving.

Wm. Krause, 1621 N. 5th St., Phila.

## Cement Colors.

Samuel H. French & Co.,  
4th and Callowhill sts., Phila.

## Cold Water Painting.

William B. Southern,  
N. W. Cor. 12th and Spruce sts., Phila.

## Concrete Engineer.

Conklin Engineering Co.,  
Heed Building, Phila.

## Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,  
10th and Chestnut Sts.

## Elevator (Lubricators.)

American Engr. & Mfg. Co.,  
Real Estate Trust Bldg., Phila.

## Engraving, Photo and Line.

Chestnut Street Engraving Co.,  
7th and Chestnut sts., Phila.

## Fire Protection Equipment.

Jas. Boyd & Bros.,  
25th and Wharton sts., Phila.

## Flag Poles (wood and steel).

Bernard McCurdy,  
N. E. cor. 9th and Arch sts., Phila.

## Floors and Floor Finishing.

Andrew Pinkerton, 3034 W. York st., Phila.  
Fritz & La Rue,  
4800 Parkside ave., Phila.  
Keystone Hardwood Floor Co.,  
7 S. 16th st., Phila.  
Thos. E. Sloan & Co., 802 Walnut st., Phila.

## Furnishers and Decorators.

Duncan & Duncan, Inc.,  
1724 Chestnut st., Phila.

## Furnaces and Ranges.

Bartlett & Co., 1938 Market st., Phila.  
Henry M. Miller, 40 N. 2nd st., Phila.  
Isaac A. Sheppard & Co.,  
Erie Ave. and Sepviva St., Phila.

## Gas and Gas Appliances.

United Gas Improvement Co.,  
Broad and Arch sts., Phila.

## Graphite Paint.

Jos. Dixon Crucible Co.,  
1020 Arch st., Phila.

## Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

## Heating (Warm Air.)

Makin Heating Co., 6 N. 18th St., Phila.

## Iron Work (Structural and Ornamental).

W. E. Wark & Co., 1737 Filbert st., Phila.

## Lighting Fixtures.

Logue-Stronge Mfg. Co.,  
435-37 N. Broad st., Phila.

## Metal Furniture.

Edward Darby & Sons Co.,  
233 Arch St., Phila.

## Metal Tile.

American Perfectile Co.,  
1526 Sansom St., Phila.

## Marble Mosaic.

Belfi Bros. & Co.,  
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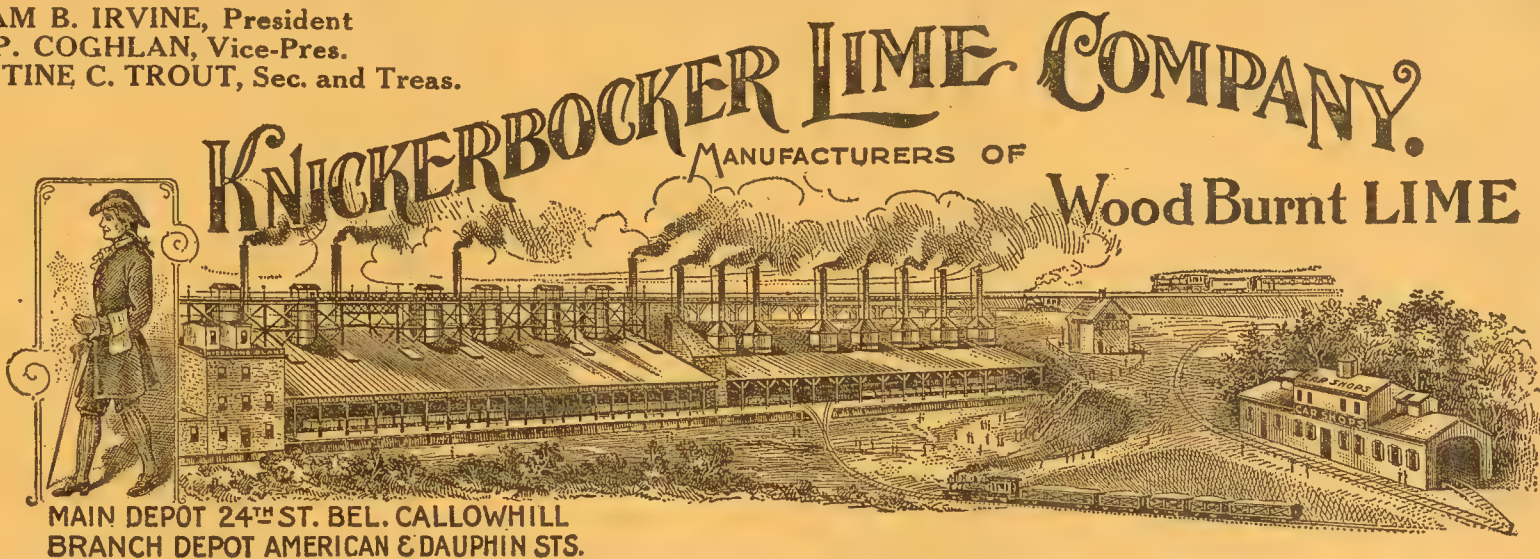
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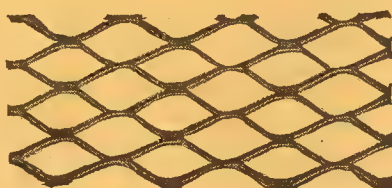
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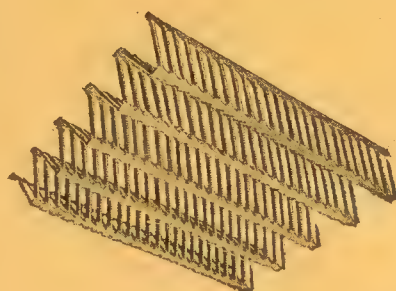
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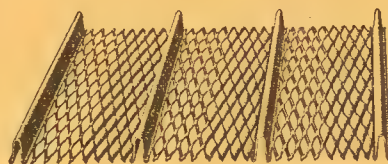


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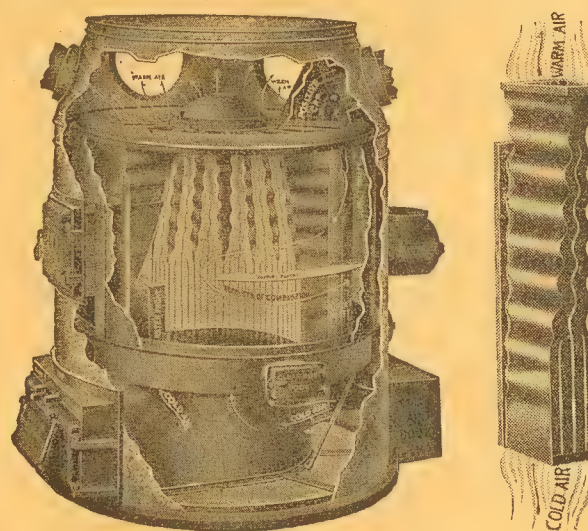
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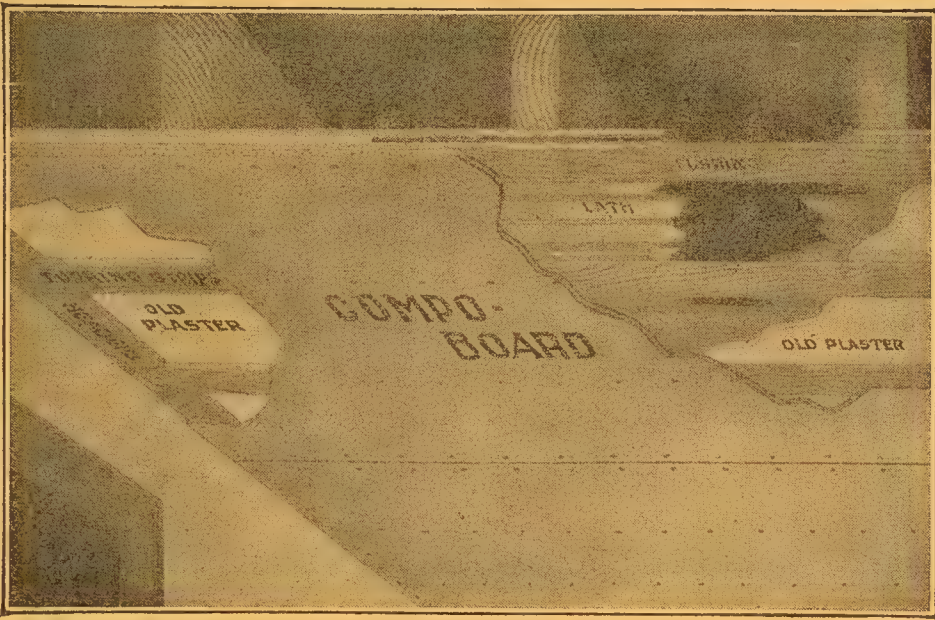
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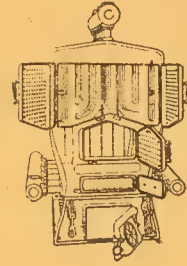
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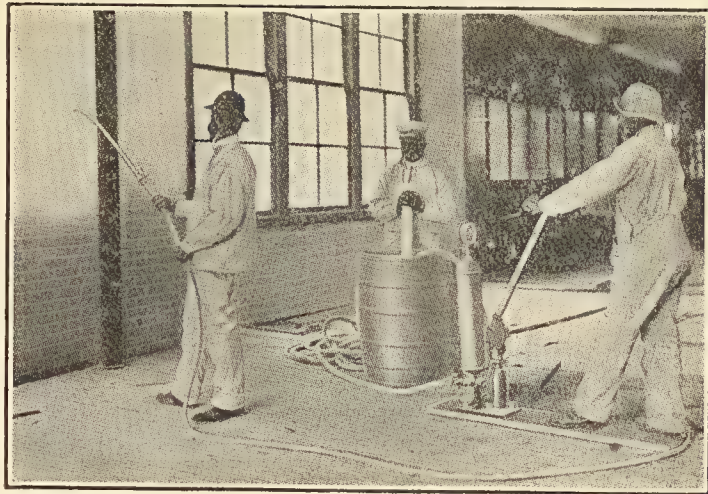
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THE PHILADELPHIA REAL ESTATE RECORD AND

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OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXVII., No. 51.

PHILADELPHIA, WEDNESDAY, DECEMBER 18, 1912.

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## Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Apartment House**, Broad and Thompson street. Architect, Stueckert & Sloan, Crozier Building. Owner, Kahan & Greenberg, Morris Building. Brick, stone and terra cotta, four stories, 25x160 feet. Plans about completed. Architect will take bids in two weeks.

**Sanitarium (alt.)**, Phoenixville, Pa. Architect, Carl P. Berger, 1418 South Penn Square. Owner, Kensington Dispensary for the Treatment of Tuberculosis, Hancock street and Susquehanna avenue. Stone, two stories. Consists of general remodeling of building for sanitarium. Architect taking bids.

**Offices (alt.)**, Stock Exchange Building. Architects, DeArmond, Ashmead & Bickley, 618 Chestnut street. Owners, C. Clothier Jones & Co., Real Estate Trust Building. Consists of mahogany partitions, hardwood floors, indirect lighting system, etc. Architect taking bids, due December 20. The following are figuring: Stephen K. Ketran & Co., 324 South Twenty-fourth street; George W. Smith & Co., Thirty-ninth street and Powelton avenue; F. D. Kramer Company, Sixteenth and Spring Garden streets; J. C. Valiant & Co., 1513 Walnut street.

**Theatre**, Sixtieth and Chancellor streets. \$50,000. Architect, J. Frank Bradley, 1001 Chestnut street. Owners, Berman Brothers, 6019 Market street. Brick, steel and concrete, fireproof, one story, 75x150 and 32x73 feet, slag roof, steam-heating, electric lighting. Owners taking sub-bids.

**Residence**, Radnor, Pa. Architects, Karcher & Smith, Crozer Building. Owner, Mrs. Allen J. Smith, Thirty-ninth and Locust sts. Stone and frame, two and one-half stories, 30x80 feet, shingle roof, electric lighting, hardwood floors, vapor vacuum heating. Architects taking bids, due December 18. The following are figuring: J. Sims Wilson, 1125 Brown street; H. S. Grau, 1707 Sansom street; J. D. Lingle, Wayne, Pa.; J. J. Murphy & Co., 1129 South Wilton avenue; Frank R. Heavner, Norristown, Pa., and Milton W. Young, Overbrook, Pa.

**Apartments (alt. and add.)**, 4204 to 4210 Parkside avenue. Architect, Charles Sasper, West End Trust Building. Owner, F. A. Poth Estate, 4208 Parkside avenue. Brick and stone, four stories, electric, slag roof, steam-heating. Architect taking sub-bids.

**School Building**, Ardmore, Pa. \$60,000. Architects, Furness, Evans & Co., Provident Building. Owner, Lower Merion Township, Ardmore, Pa. Brick, two stories, 55x66 feet, slate roof, electric light, steam-heating. Architect taking bids, due December 30. The following are figuring: Gray Brothers, Rosemont, Pa.; P. J. Lawler, Bala, Pa.; W. D. Smedley, Narberth, Pa.; J. Myers & Sons, Witherspoon Building; Metzger & Wells, Heed Building; Thomas Little & Sons, 1615 Sansom street; W. R. Dougherty, 1606 Sansom street; E. J. Heddon, 14 South Broad street; B. Ketcham Sons, 1029 Brown street; J. G. Doak, Crozer Building.

**Passenger Station and Shed**, North Philadelphia (Germantown Branch). Architect, W. H. Cookman, Broad Street Station. Owner, Pennsylvania Railroad Company. Brick and frame, one story, 21x61 feet, granite, red face brick, steam heating, slag and tin roof, electric light. Owners taking bids, due December 24. Following are figuring: F. Roe Searing, Perry Building; Roydhouse, Arey Co., Fidelity Building; J. Myers & Sons, Witherspoon Building; Charles Gilpin, Harrison Building; J. G. Doak & Co., Crozer Building; H. E. Grau Company, 1707 Sansom street; Irwin & Leighton, 126 North Twelfth street; Enos L. Seeds, 6314 Wissahickon avenue.

**Residence (alt. and add.)**, 100 East Cliveden street. Architect, Savery, Sheetz & Savery, Stephen Girard Building. Owner, Rodger B. Curtis, on premises. Stone, two and one-half stories, slag roof, electric light. Architect taking bids, due December 17. The following are figuring: Harry Cluck, 170 East Walnut lane, and W. J. Cowell, 942 East Chelten avenue.

**Factory (add.)**, Hedley street and Delaware avenue. \$10,000. Architect, private plans.

Owner, Richard C. Remmey's Sons & Co., on premises. Brick, one story, 94x50 and 16x187 feet, slag roof. Owner taking bids. The following are figuring: A. Raymond Raff, 1635 Thompson street; Stewart Brothers, 2528 North Orkney street; Diamond Building Company, 1811 Columbia avenue.

**Machine Shop**, Van Kirk street and Delaware River. Architects, Peuckert & Wunder, 310 Chestnut street. Owner, National Ammonia Company, on premises. Brick, two stories, 21x40 feet, slag roof. Architects have received bids.

**Church and Sunday School**, Sixty-seventh street and Paschal avenue. Architect, Geo. E. Savage, Witherspoon Building. Owner, Paschall Avenue United Presbyterian Church, care of Rev. H. K. Galloway, on premises. Stone, one and two stories, slate roof, steam-heating, electric lighting. Plans in progress.

**Hotel**, Allenhurst, N. J. \$75,000. Architects, Brazer & Robb (1133 Broadway, New York City). Owner, The Dunes Hotel, Robert S. Schultz, Allenhurst, N. J. Brick, terra cotta and steel, fireproof, seven stories, Sayre & Fisher bricks, tile and slag roof, steam-heating, electric lighting. Architects taking bids, due December 16. J. E. & A. L. Pennock, Land Title Building; Jacob Myers & Sons, Witherspoon Building, and Ballinger & Co., 218 North Fifteenth street, are figuring.

**Store Building (alts.)**, 607 South Second street. Architect, Clyde S. Adams, 1233 Arch street. Owners, H. Lichtenstein & Son, on premises. Brick, three stories, consists of general alterations. Architect has received bids.

**Fire House**, Wildwood, N. J. \$12,000. Architect, private plans. Owners, City of Wildwood, N. J. Brick, three stories, 40x85 feet, slag roof, steam-heating. Revised plans in progress.

**Stores and Apartments (alt. and add.)**, Fifty-third street and Baltimore avenue. Architects, Anderson & Haupt, Dreel Building. Owner, A. D. Bailey, Eddystone, Pa.

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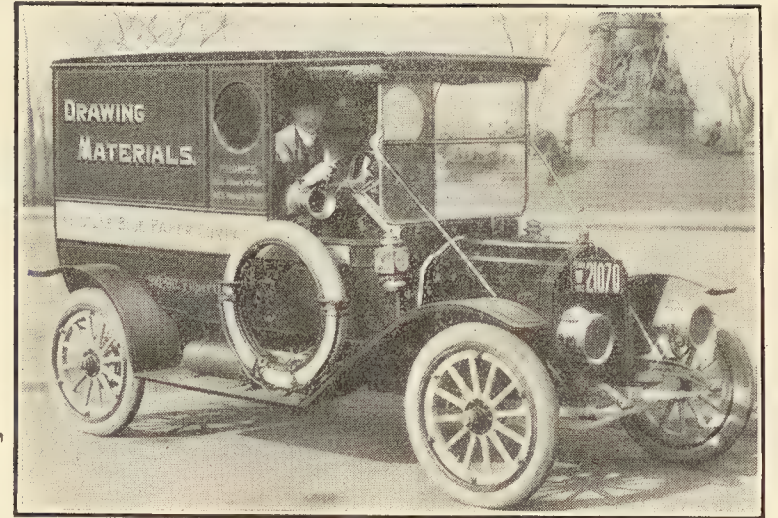
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Designed and Erected

Brick, two stories, slag roof, electric lighting. Plans in progress.

Picture Theatre, Columbia avenue and Paton street. Architects, Anderson & Haupt, Drexel Building. Owners, name withheld. Brick, one story, 55x157 feet, slag roof, electric lighting, steam-heating. Plans in progress.

School (alt. and add.), Abington avenue, Newark, N. J. Architect, E. F. Guilbert, Newark, N. J. Brick, limestone trimmings, three stories, 59x132 feet, red face brick, terra cotta and concrete, fireproofing, slag roof, electric lighting, steam-heating. Architect has received bids.

Factory (add.), Lester, Pa. Architects, Ballinger & Perrot, 1211 Arch street. Owners, Lester Piano Company, Lester, Pa. Brick

and concrete, one and two stories. Consists of two small building. Plans in progress.

Office Building (add.), 2 South Mole street. Architect, private plans. Owners and builders, Edw. Fay & Sons, 1521 Ranstead street. Brick, three stories, 16x35 feet, slag roof, electric lighting, steam-heating. Plans in progress. Owners will take sub-bids.

Club House, Tampa, Fla. Architects, Holmboe & Lafferty, New York City. Owner, B. P. O. of Elks, Tampa, Fla. Brick and plaster, four stories, 70x150 feet, steam-heating, electric lighting, composition roof, elevators. Architects taking bids, due January 6, 1913. H. L. Brown, 1714 Sansom street, is figuring.

Residence (alt. and add.), 8901 Germantown avenue. Architects, Furness & Evans Company, Fourth and Chestnut streets. Owner, Dr. Norris M. Vaux, 8901 Germantown avenue. Stone, two and one-half stories, slate roof, electric lighting. Architects have received bids.

Factory, southwest corner Seventh and Green streets. Architect, B. J. Medoff & Sons, 534 Walnut street. Owners, Diamond Knitting Mills, 327 North Eighth street. Brick, three stories, 60x90 feet, slag roof, electric lighting, steam-heating. Architects taking bids, due December 31. The following are figuring: Fred Quate, 1323 Snyder avenue, and Samuel Schultz, 1010 East Moyamensing avenue.

Residence, Haverford, Pa. Architects, Duhring, Okie & Zeigler, Bailey Building. Owner, Charles R. Wentz, Land Title Building. Stone and frame, two and one-half stories, 45x50 feet, shingle roof, electric lighting, hot-water heating, hardwood floors. Architects taking bids, due December 18. The following are figuring: H. C. Ballinger, 218 North Thirteenth street; J. Sims Wilson, 1125 Brown street; G. L. Croll, Rosemont, Pa.; H. E. Grau & Co., 1707 Sansom street; A. L. Fretz & Sons, 1222 Chancellor street; George & Borst, 277 South Eleventh street.

Residence and Garage, Cynwyd, Pa. \$12,000. Architects, Druckenmiller, Stackhouse & Williams, Land Title Building. Owner, E. G. Whitman, 2209 Venango street. Stone, two and one-half stories, shingle roof. Plans about to be started.

Y. M. C. A., 1720 to 1726 Christian street. \$100,000. Architect, Horace Trumbauer, Land Title Building. Owner, Y. M. C. A. Colored Branch, on premises. Brick and stone, four stories, 71x130 feet, Fisk & Co.'s Dobbs buff and Kittanning bricks, granite and limestone, terra cotta, concrete and expanded metal, fireproofing, slag, tile and copper roof (heating and electric work, reserved). Architect has received bids.

Playgrounds (3), (add.), Seventh and Lombard street, Fifty-sixth and Christian streets,

Twenty-second street and Sedgley avenue. Architect, P. H. Johnson, Land Title Building. Owners, Board of Directors, City Hall. Consists of plastering, wainscoting and treatment of ground. Owners have received bids.

Residence (alt. and add.), Ridge avenue and Livezey street. Architects, Magaziner & Potter, 135 South Fifth street. Owner, Harry Sacks, 1220 Cherry street. Stone and brick, three stories. Plans in progress; too early for detail.

Store (alt. and add.), Thirty-sixth and Market streets. Architects, Sauer & Hahn, 1112 Chestnut street. Owner, name withheld. Brick, three stories, 35x40 feet, electric light, steam-heating, slag roof. Plans in progress.

Power House (add.), 237 Arch street. Architect, W. E. S. Dyer, Land Title Building. Owner, Berger Brothers & Co., 237 Arch street. Brick, one story, slag roof. Architect taking bids, due December 18. The following are figuring: Burd P. Evans, Thirteenth and Wallace streets; F. A. Havens, 845 North Nineteenth street; H. E. Grau & Co., 1707 Sansom street; W. R. Dougherty, 1608 Sansom street; F. E. Wallace, 1210 Sansom street; J. R. Jackson, Perry Building, and A. R. Raff, 1635 Thompson street.

Church, Parish House and Rectory, Sixty-fourth and Haverford avenue. Architects, Duhring, Okie & Zeigler, Bailey Building. Owners, St. Barnabas P. E. Church, on premises. Stone, slate roof (heat and electric light reserved). Rectory, two and one-half stories, 25x55 feet. Church, one story, 53x177 feet. Parish house, two stories, 45x90 feet. Architect taking revised bids due December 20. The following are figuring: H. E. Rea, 1027 Wood street; Joseph Bird & Co., 213 North Eleventh street; F. Roe Searing, Perry Building; R. C. Ballinger & Co., 218 North Thirteenth street; Pomery Construction Company, 1609 Ranstead street; F. E. Wallace, 1210 Sansom street; Pringle Borthwick, 8018 Germantown avenue.

Subway Entrance and Shed, Cumberland, Md. Architect, H. A. Long, Baltimore, Md. Owners, Baltimore and Ohio Railroad Company. Brick, steel and concrete, one story, slag roof, electric light. Owners taking bids due December 24. Roydhouse, Arey Company, Fidelity Building, is figuring.

Theatre, Atlantic City, N. J. Architects, Magaziner & Potter, 137 South Fifth street. Owners, Seltzer Bros., 247 South Third street. Brick and steel and concrete, one story, 140x60 feet, tile roof, steam heating, electric lighting. Revised plans in progress.

Surgical Ward, Thirty-fourth and Spruce streets. Architects, Brookie & Hastings, 1713 Sansom street. Owners, University of Pennsylvania Hospital. Brick, steel, limestone



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and terra cotta, seven stories, 92x94 feet. Enamel brick, slag, slate and tile roof, hollow tile. Concrete and expanded metal fireproofing, steam heating from central plant, electric lighting. Architects taking bids, due December 30th. The following are figuring: William R. Dougherty, 1610 Sansom street; George & Borst, 277 South Eleventh street; Wells Brothers Company, of New York, Morris Building; Cramp & Co., Denckla Building; J. Myers & Sons, Witherspoon Building; George A. Fuller Company, Morris Building; Thompson-Sterrett Company, 51 Wall street, New York.

**School**, Fifty-sixth and Christian streets. Architect, J. H. Cook, Land Title Building. Owners, Board of Education, City Hall. Brick and stone, fireproof, three stories and basement, 113x160 feet, electric light, steam heat, slag roof. Red face, enamel and salt glazed brick, granite and limestone, interior marble, hollow tile, concrete and metal lath. Owners taking bids, due December 27th, at 2.30 P. M. The following are figuring: Cramp & Co., Denckla Building; B. Ketcham Sons, 1029 Brown street; Sax & Abbott, Hale Building; H. H. Wehmeyer, 1004 West Lehigh avenue; Thomas Reilly, 1616 Thompson street; Wayne Construction Company, 1214 Filbert street; H. E. Baton, Tenth and Sansom streets.

**Factory (add.)**, Twelfth and Washington avenue. Architect, private plans. Owners, John Wyeth & Bros., Eleventh and Washing-

ton avenue. Brick, five stories, slag roof, electric light, steam heat. Owners taking bids, due December 21st. The following are figuring: J. G. Doak & Co., Crozier Building; J. W. Emery, 1524 Sansom street; J. R. Wiggins & Co., Heed Building; Cramp & Co., Denckla Building.

**Residence**, Germantown. Architect, Bart Tourison, Land Title Building. Owners, Sedwick Farms Company, 7014 Boyer street. Stone, two and one-half stories, 33x70 feet. Slate roof, electric light, steam heat. Plans in progress.

**Store (alt. and add.)**, 219 South Broad street. Architect, Walter Smedley, Stephen Girard Building. Owner, W. E. Adams, on premises. Brick, two stories, slag roof (light and heat reserved). Architect taking bids, due December 21st. The following are figuring: F. A. Havens, 845 North Nineteenth street.

**Home**, Claymont, Del., \$75,000. Architects, Savery, Scheetz & Savery, Stephen Girard Building. Owners, Delaware Industrial School for Girls, Claymont, Del. Stone, two and one-half stories. Consists of three cottages. Slate roof, electric lighting. Plans in progress.

**Bungalow**, Beach Haven, N. J. Architects, Savery, Scheetz & Savery, Stephen Girard Building. Owner, A. F. Engle, The Covington, 24 South Thirty-seventh street. Frame, two stories, 30x44 feet. Shingle roof, electric lighting. Plans in progress.

Lehigh avenue. Architect, Carl P. Berger, 1418 South Penn Square. Owner, St. Mark's Reformed Church, care Rev. G. A. Scheer, 2409 North Sixth street. Granite, one story, 27x91 feet, electric light, steam heating. Contract awarded to Burd P. Evans & Co., Thirteenth and Wallace streets.

**Hotel**, Birmingham, Alabama. \$1,000,000. Architect, W. L. Stoddardt, 30 West Thirty-eighth street, New York City, and William L. Welton, Birmingham, Alabama. Owner, Tutwiler Hotel Company, George G. Crawford, president, Birmingham, Ala. Brick, steel, granite and terra cotta, twelve stories, 140x150 feet, slag roof, steam-heating, interior marble. Contract awarded to Wells Bros. Co., of New York, Morris Building, Philadelphia.

**Apartment House**, Birmingham, Alabama. \$450,000. Architect, J. E. R. Carpenter, Metropolitan Tower, New York City. Owner, Major E. M. Tutwiler, Birmingham, Alabama. Brick, steel, granite and terra cotta fireproof, seven stories, 190x104 feet, composition and Akron tile roof, hollow tile and concrete fireproofing, steam-heating, hardwood floors, Italian and Tennessee marble. Contract awarded to Wells Bros., of New York, Morris Building, Philadelphia.

**Passenger Station**, Linden, N. J. \$20,000. Architect, William H. Cookman, Broad Street Station. Owners, Pennsylvania Railroad Company, Broad Street Station. Hollow tile and plaster, one story, 73x21 feet, red tapestry brick, vapor vacuum heating, slate roof. Contract awarded to F. Roe Searing, Perry Building.

**Fire House**, Cheltenham and Germantown avenues. Architect, Carl B. Zelinziger, City Hall. Owners, City of Philadelphia. Granite, marble, interior and exterior, hydraulic pressed, Sayre & Fisher and enamel, three stories, 37x71 feet, electric lighting, hot-water heating, slag roof. Contract awarded to J. W. Emery, 1524 Sansom street.

**School (add.)**, Fifty-eighth street and Willow avenue. \$35,900. Architect, J. Horace Cook, Land Title Building. Owner, Board of Education, City Hall. Stone, three stories, electric lighting, steam-heating. Contract awarded to Mitchell Brothers, 2125 Race st.

**School**, Third and Mifflin streets. \$435,257. Architect, J. Horace Cook, Land Title Building. Owner, Board of Education, City Hall. Brick, limestone, terra cotta, steel and concrete, fireproof, four stories, 112x279 feet, slag and slate roof, electric lighting, steam-heating, enamel bricks. Contract awarded to Cramp & Co., Denckla Building.

**Loft Building**, Broad and Wallace streets. \$500,000. Architect, Charles Balderston, 411 Walnut street. Owner, Metropolitan Building, care of George F. Lasher, 147 North Tenth street. Concrete fireproof, eight stories and basement 100x400 feet, asbestos roof, steam heat, electric light. Contract awarded to H. C. Rea Co., 1027 Wood street, who will take sub-bids in about one month.

**Church and Parish House**, Sixteenth and Allegheny avenue. Architects, Thomas Churchman & Molitor, 1309 Walnut street. Owners, All Souls' P. E. Church for Deaf Mutes, care of C. O. Dantzer, 3525 North Nineteenth street. Stone, one and two stories, 70x132 feet. Slate roof, electric light, steam heat. Contract awarded to H. H. Burrell, 1204 Chancellor street.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Warehouse (alt.)**, 2019-25 Washington avenue. \$7,000. Architect's private plans. Owners, Merchant & Evans Company, 517 Arch street. Brick, three stories. Consists of general alterations. Contract awarded to F. A. Havens & Co., 845 North Nineteenth street.

**Store and Loft Building**, Twelfth and Winter streets. \$30,000. Architect, Charles E. Celschager, Harrison Building. Owners, A. F. Schneider, Hale Building. Brick, four stories, 39x93 feet, red brick, slag roof (steam heating and electric work reserved). Contract awarded to Alex. Chambley, 243 South Tenth street.

**Office and Warehouse**, Twenty-third and Arch streets. Architects, Ballinger & Perrot, 1211 Arch street. Owners, Larkin Soap Company of Pennsylvania, J. McNally, manager, 2222 Arch street. Brick and concrete, fire-

proof, twelve stories, 40x100 feet, slag roof, electric light, steam heat, elevators. Contract awarded to Aberthaw Construction Company, Beacon Building, Boston.

**Residence and Garage**, Overbrook, Philadelphia. \$40,000. Architects, Magazine & Potter, 135 South Fifth street. Owner, E. A. Bookmyer, 424 Walnut street. Stone and half timber, two and one-half stories, 76x100 feet, tile roof, steam-heating, hardwood floors, electric lighting. Contract awarded to J. E. & A. L. Pennock, Land Title Building.

**Armory (alt. and add.)**, Phoenixville, Pa. Architect, P. H. Johnson, Land Title Building. Owner, State of Pennsylvania, Bttery "C." Brick and concrete, two stories, electric light. Contract awarded to F. H. Keiser & Co., Pottstown, Pa.

**Church (alt. and add.)**, Fifth street, below

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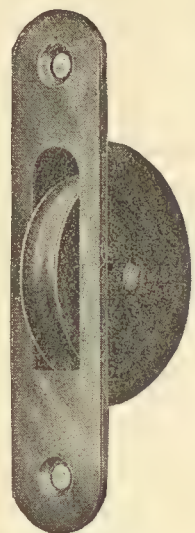
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Mark Heller (O), 1803 South Eleventh st.  
Cost, \$2,000. Store and dwelling, brick, two  
stories, 16x45 feet, Snyder avenue and Darien  
street.

Berman Bros. (O), 6019 Market street.  
Cost, \$50,000. Theatre, brick, one story, 80x  
22 feet, Sixtieth and Chestnut streets.

Charles A. Matron (O), 4843 North War-  
nock street. Cost, \$4,500. Dwelling, brick,  
three stories, 16x58 feet, York road and Elea-  
ner street.

Edward P. Rotyell (O), 7200 Germantown  
avenue. J. W. Kitselman (C), 125 East Upsal  
street. Cost, \$4,500. Garage, brick, one story,  
26x75 feet, Torresdale avenue and Penny-  
packer creek.

Wendell & Wright (O), Sixty-fourth and  
City Line, Overbrook. Alfred James (C),  
Bala, Pa. Cost, \$11,500. Dwelling, stone,  
three stories, 45x26 feet.

Richardson & Weir (O), 1919 East West-  
moreland street. McLaughlin Bros. (C), 521  
St. James street. Cost, \$500. Dwelling house,  
brick, one story, 16x25 feet.

Giles Monville Company (O), 127 Catherine  
street. Michael Managhan (C), 214 South  
Twelfth street. Cost, \$4,500. Manufactory,  
brick, two stories, 28x70 feet.

J. R. White (O), Oak Lane, Pa. Cost,  
\$7,000. One dwelling, stone, three stories, 28x  
40 feet. Cost, \$14,000. Two dwellings, Oak  
Lane, Pa.

Mary Winters (O), 6131 Hazel avenue. Jas.  
Winters (C), 6131 Hazel avenue. Cost, \$1,750.  
Dwelling, brick, two stories, 15x23 feet. Cost,  
\$1,750. Dwelling, brick, two stories, 14x40 feet,  
6135 and 6137 Hazel avenue.

George R. Osborn (O), 5017 Willow street.  
Cost, \$4,000. Two dwellings, brick, two sto-  
ries, 14x40 feet, Hawthorne and Wakeling  
streets.

Andrew Bellon (O), 3467 Janney street.  
Barnes Brothers (C), 1449 Loudon street.  
Cost, \$2,400. Two dwellings, brick, two sto-  
ries, 14x26 feet, 3460x62 Weikel street.

Keller Brothers (O), Harmon road, Rox-  
borough. Cost, \$4,200. Dwelling, brick, three  
stories, 17x26 feet, Harmon and Ridge ave-  
nue.

The Consolidated Construction Company (O),  
5501 Baltimore avenue. Cost, \$4,200. Two  
dwellings, brick, two stories, 16x63 feet, 900  
South Fifty-eighth street. Cost, \$4,000. Four  
dwellings. Cost, \$57,600. Sixteen dwellings.

## Alterations and Additions

Philadelphia Papper Mfg. Company (O),  
Nixon and Fountain streets. Cost, \$4,500.  
Bioler House.

George McClatchey (O), 5908 Lansdowne  
avenue. M. J. Morgan (C), 5843 Master st.  
Cost, \$400. Garage, 1521 North Twenty-ninth  
street.

George Massey, M. D. (O), 1823 Wallace  
street. Alex. Chambley (C), 243 South Tenth  
street. Cost, 3,000. Garage.

Fannie Gleckman (O), 224 Chancellor st.  
Alex. Shestack (C), 528 Reed street. Cost,  
\$1,100. Store and dwelling.

Isaac Franstein (O), 4107 Market street.  
D. Goldstein (C), 911 Moore street. Cost,  
\$800. Store and dwelling.

General Mfg. Company (O), Greenwich  
Point. F. W. Van Loon (C), Denckla Build-  
ing. Cost, \$1,500. Manufactory.

Elizabeth C. Shearer (O), 5729 Spruce st.  
William Conner (C), 650 South Fifty-ninth  
street. Cost, \$950. Residence.

Virginia S. Shyrook (O), 2334 North Sixth  
street. H. C. Dahl (C), 231 South Eighth  
street. Cost, \$900. Stable.

Miss Mary Wassip (O), Perkiomen and Wy-  
lie street. Samuel J. Rea (C), 1608 Fair-  
mount avenue. Cost, 1,400. Dwelling.

American Metal Company (O), Arnat and  
Haskel streets. C. J. W. Platt (C), 1015 Arch  
street. Cost, 1,700. Manufactory.

H. Fulton (O), 134 South Fifth street. J.  
Jorgenson (C), 5538 Cambridge street. Cost,  
\$2,000. Dwellings, 3307-09 Wallace street.

Produce Brokers Company (O), 29 Great  
street, London, England. Turner Concrete  
and Stell Company (C), 1314 Arch street.  
Cost, \$11,000. Warehouse, Swanson and Mc-  
Kean streets.

N. M. Kerney (O), Fifteenth and Federal  
streets. Charles Walters (C), 525 South  
Twenty-seventh street. Cost, 495. Store and  
dwelling, 1328 Point Breeze avenue.

J. S. Clark (O), Highland avenue. Stokes  
Bros. (C), 6723 Musgrove street. Cost, \$975.  
Garage, Rex avenue and Seminole street.

Estate of U. Durand (O), 517 Chestnut st.  
F. B. Davis (C), 35 South Seventeenth street.  
Cost, \$550. Restaurant, 718 Chestnut street.

J. F. Cronin (O), Lansdowne, Pa. J. F.  
McCorkell (C), 2104 North Fifth street. Cost,  
\$500. Store, 302 North Bond street.

Mrs. M. E. Frick (O), 24 Lincoln Drive.  
R. D. Noonan (C), 420 High street. Cost,  
\$375. Dwelling.

A. Kaiser & Bros. (O), 1646 Passayunk  
avenue. M. J. Harris (C), 2026 Arch street.  
Cost, \$500. Storage.

Charles Kranich (O), 2066 East Cumber-  
land street. W. E. Stone & Son (C), 2069  
East Dauphin street. Cost, \$2,800. Factory,  
2348 North Front street.

W. Lewis (O), East Lansdowne, Pa. W. C.  
Scull (C), 5705 Master street. Cost, \$1,000.  
Store and dwelling, 275 South Fifty-sixth  
street.

Presbyterian Church (O), Eleventh and  
(Continued on page 828.)



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**THE FRANKLIN PAPER CO., Inc., 718-720 Cherry Street, Phila.***Distributing Agents***URGE UNIFORM LAWS TO GOVERN BUILDING****Joint Committee Sends to Governor Recommendations to Go Before Next Legislature—Ask Annual Inspection**

Recommendations have been adopted for the establishment by the next Legislature of uniform building laws for cities, towns and suburban places, with authority to inspect and order work to be done according to regulations and to provide penalties for violations.

The recommendations have been made by a joint committee representing the Philadelphia Chapter of the American Institute of Architects, the Master Builders' Exchange, the Operative Builders' Association and the Philadelphia Real Estate Brokers' Association.

D. Knickerbacker Boyd, chairman of the committee, has forwarded the report to a commission appointed by Governor Tener to revise the State building laws, of which John T. Windrim is president and Edwin Clark secretary.

The commission is urged to enlarge the powers of the Bureau of Building Inspection in enforcing the rules, and also limiting the height of buildings and regulating the character of buildings in congested sections.

Practically no inspection of buildings worthy of the name is said to be officially made outside of Philadelphia and a few other localities in the State, except that made by architects. This the committee seeks to overcome by recommending the establishment of uniform building laws for cities of the second and third classes and suburban places. The committee's report, in part, follows:

**Power to Enforce Code.**

"All cities, boroughs and townships of the first class should have the power to enact ordinances regulating buildings within their territory not inconsistent with the provisions of the general building code. They should have the power to organize administrative departments for the enforcement of the provisions of the building code, and of such local ordinances as may have been enacted.

"Such administrative departments in cities of the first and second class should be altogether independent of the State Department, but in all other municipalities the State Department should have supervisory power over the local department. According to the character of their construction, buildings should be divided into five classes, buildings of the first class being fireproof and otherwise of the best construction."

The buildings which should be in the first class, the report points out, are those used for public entertainment, or for garages, except one-story garages accommodating not more than four cars for private use; all structures more than two stories high, used as hospitals or similar institutions, public halls, hotels or lodging houses; all buildings more than two stories high used as apartment or tenement houses where any floor is occupied by more than one family, and all apartment or tenement houses more than three stories high.

All buildings more than two stories high and having more than 2,000 square feet of floor space used for the sale of merchandise; all buildings more than four stories high and more than sixty-five feet high, and all buildings of an undecided area between exterior lines of more than 25,000 square feet.

**Homes Must Be 14 Feet Wide.**

"The minimum width of dwelling houses shall be 14 feet," the report goes on. "No building used as a human habitation shall occupy more than 80 per cent. of the lot upon which it is constructed. All buildings to be used in part or whole as places of public amusement or assembly should have the same mechanical ventilation as is required for school houses. All division walls between buildings should be built of some hard, incombustible, self-supporting material, extending through and above the roof.

"The height of all buildings should be regulated to provide light and air, and to lessen the fire risk. The first story of all buildings, except dwellings, in densely populated areas, should be fireproof. The committee suggests that the basements or all such buildings should have an automatic sprinkler equipment.

"There should be an annual inspection, by State or local inspectors, of all buildings, except isolated buildings. An annual license should be required for the occupancy of all buildings, except those exempted from annual inspection. A moderate fee should be charged for the license.

"The requirements of the building code and of the statutes having in part the same purpose, etc., those relating to the public health, to fire protection, and to factory conditions, should be made consistent."

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**RECENT TRADE LITERATURE.**

"Expansion Bolt Facts." The Van Expansion Bolt Manufacturing Company, Fort Dearborn Building, Chicago. Illustrated. The "Van" expansion bolt is described in detail. The holding power of this bolt was investigated in a mechanical engineering laboratory, and the results of the tests are presented.

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"United Steel Sash." Trussed Concrete Steel Company, Detroit. Illustrated. Maximum daylight is an essential in modern building construction, and steel sash are a primary consideration. This catalog describes in detail "United" steel sash, its installation and operation. Steel sash used as office partitions are an interesting feature.

\* \* \*

"Utility Wall Board." The Heppes Company, Chicago. Illustrated. This is a fibrous composition board, available in convenient length and width, and is used instead of lath and plaster for interior wall construction. The material and its uses are described in detail.

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"Lupton Specialties—No. 6." David Lupton's Sons Company, Philadelphia. Illustrated. This catalog describes in detail side-wall steel sash, counter-balanced and continuous sash. Window operating devices, louvers, and similar equipment is presented in detail.

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### BUILDING WORK IN NOVEMBER.

Building is extremely active all over the country, particularly in the large group of cities, the growth and the prosperity of which have come to mean so much to this country. Official reports from 86 cities to "Construction News" show that permits were taken out in November for 18,584 buildings, involving a total estimated cost of \$64,033,323, as against 17,161 buildings, representing a total cost of \$59,603,753 for the same month a year ago, an increase of 1,423 buildings and \$4,429,570, or 7 per cent. Of the entire list there were increases in 61 and decreases in 25, the list of cities in which there were increases being much larger than in any previous month for a long time. The cities in which there were losses are widely distributed; in many instances the same cities have shown a long period of activity in building construction or in a section in which the other cities show marked increases, so there need be no apprehension in regard to the condition of affairs in the cities in which there were losses.

Of the larger cities, Chicago had an increase of 6 per cent., as against a loss in New York of 2 per cent.; Boston, 6; Brooklyn, 14; St. Louis, 33, and Cincinnati, 50. That great group of interior cities upon which such a large part of the country is dependent shows great activity, including Milwaukee, with an increase of 66 per cent.; Kansas City, 153; Omaha, 5; St. Paul, 40; Minneapolis, 7; Detroit, 5; Indianapolis, 223; Cleveland, 15; Pittsburgh, 9, and Buffalo, 38. Activity characterized every section of the country, as a whole, the South showing gains in Atlanta of 199 per cent.; Baltimore, 2; Memphis, 18; San Antonio, 66; Louisville, 49; Nashville, 309; New Orleans, 27; Jacksonville, 18; Chattanooga, 143; Tampa, 102, with decreases in Dallas of 54 per cent.; Birmingham, 53, and Norfolk, 16. In the Pacific Coast cities there were gains in Los Angeles of 45 per cent.; San Francisco, 18; Oakland, Cal., 20; San Diego, 24; Sacramento, 17; Pasadena, 13; Stockton, 3; Berkeley, Cal., 37; Tacoma, 30, with decreases in Portland of 68; Spokane, 30, and San Jose, 3.

Altogether November was a month of much activity, and there is every reason to believe that it will continue.

## THE IMPORTANCE OF MINOR DETAILS

In a large and growing industrial concern, having erected a number of buildings of concrete construction recently, we have always expended considerable money, because, in the construction, we have overlooked small details, writes W. J. Bitterlick, in "Concrete-Cement Age." This could have been avoided with a little foresight.

The building plans were executed in our own drafting room and it is in the drafting room that this money can be saved. Of course, we saved money on every new building erected over the previous building, due to the experience gained. The extra cost in the earlier buildings was due mostly to drilling holes in the concrete floors, ceilings, walls and columns for fixtures such as pipes, conduits, door tracks, overhead tracks, etc.

When designing a building there are so many small details to look for that it is almost impossible to catch them all, and some of them are overlooked. Our drafting department has always been very busy, and, moreover, when building plans have been approved, the management usually want the building erected within the shortest possible time. Owing to the desire to see building operations started at once, fixture and equipment plans have not always been ready in time to incorporate in the working drawings. This has necessitated extra labor in making alterations in the building itself, resulting in more or less extra expense.

It has occurred to us, however, that a list, which we have prepared and placed in the hands of each draftsman, of all those points which have been overlooked on previous buildings, would insure that the plans cover a number of minor details which have been in many cases forgotten. The points outlined cover minor details only and may prove helpful in other drafting rooms. The items mentioned are those which in our experience are generally overlooked and cause extra expense. We have never experienced any difficulty in providing for the important details, as these latter were always outlined in a preliminary report of requirements. This report was usually our authority to proceed with the plans. The notes follow:

### Minor Details to Be Noted on Concrete Building Plans.

1. Provide bolts in accordance with Underwriters' Standard, in door columns for door frames.
2. On door frame details specify that door frames shall be delivered to job knocked down, so that they can be fitted to bolts as called for in No. 1.
3. Show rabbet in outside door columns for door frames, to keep out weather. (Fig. 1.)
4. Provide bolt holes or inserts for hinges or for sliding door tracks to save cutting concrete and reinforcing steel.
5. Wherever concrete or gypsum blocks

are used, provide lintels over windows and doorways.

6. Provide nailing blocks in concrete for window frames.

7. Wherever a brick wall is to be built between columns, call for bolts in columns so that walls can be tied to columns.

8. Provide inserts in columns for fasten-wood or metal partitions.

9. Provide inserts for sprinkler pipes, electrical conduits and miscellaneous piping, always providing for extras for future installation. (See special layouts for location.)

10. Provide holes in floors for roof drain pipes, sprinkler risers, water mains, steam mains, conduits and all special pipes, and always provide extra holes for future installations.

11. Provide holes in roof, for roof-drain boxes and pipes, and a wood frame to nail copper drain box to.

12. Whenever water is to be used in manufacturing process, provide floor drains in floor of building and pitch floor towards drains.

13. Provide inserts in ceiling of pipe tunnels for electric lights, iron bars on sides for hanging pipes to, and fibre duct in walls for electric cables.

14. Provide manholes in roofs of tunnels large enough so that 20-foot lengths of pipe can be gotten into tunnel.

15. See that a sufficient number of openings is provided to allow pipes to enter tunnel from the building.

16. In beam construction buildings, provide pipes in beams to act as holes for bolts for hanging apparatus, pipe conduits, etc.

17. If only a portion of a building is to be erected and the remainder finished at some future time, provide reinforcement or inserts in walls, so that when the addition is put on it can be tied to existing building.

18. In all tunnels and pipe trenches, provide drains and pitch bottom of tunnel toward drain.

19. Provide holes in side walls of tunnels where underground pipes are to enter tunnel.

If you've got a specialty that will commend itself to builders, make a contract for space and start right in and talk about that specialty. Dwell on its good points, point out its advantages over similar devices, set forth its dominant qualities. And keep right on, week after week talking about it. If you don't book orders we'll bet you a big red pippin that there is either something better on the market or your specialty isn't worth a kopeck noway.

The way to get money is to sell things to people who want things. People who want building material and building devices read "The Guide."



## PERSIAN AND SPANISH TILES.

Of course, everyone realizes that the glory of tile depends mainly upon its color, its glaze or its lustre rather than upon its outline, its surfacing or its ornamentation. And everyone admits that decorative tiling wields tremendous power over a building. It is said to be capable of receiving the strongest or most delicate idea, being a willing agent, a splendid servant, but like humans it must be handled aright if we are to live with it. That is, it must be sympathetically treated to be an acceptable and appreciable element in the realm of architecture. This being the case, a complete and thorough study of color values, harmonies and contrasts is entailed on the part of all who essay to use this energetic and valuable agent as a decoration to enrich or ennoble construction or to form an accent of its own. And they will not venture to put it where it failed to add dignity to the building.

Time was when the designer of tiles complained of the architect's indifference and neglect of his product. And with reason. Well on throughout the Victorian era the impression prevailed among all England's artists that the connection between tile and other materials for the architect's expression was a transitory relation, and that the best service to be done for tile was either to confine it to certain parts of our buildings where "everything was ceramic," or to so train and equip the designers that they fall in with the requirements of modern buildings by fostering a wider study of the demands of surface ornamentation, devising means for a reliable key securing the tile to the plaster and skeleton of the building, by an arrangement of color wherein the tones were not too far removed from other essential materials and by a hundred other ways. This has naturally led to the study of the best of the Oriental buildings wherein large surfaces are covered with tile, wherein practically the theme becomes ceramic from start to finish and only those salient structural portions remain obviously of brick or stone, or where thin slabs of marble are introduced to give a subtle change of texture and sometimes of significance.

To-day in this practical time and particularly in this country, the willingness of the architect to accept and salute glazed surfaces in the form say of terra cotta, mosaic, or even opalescent glass, is obvious, as witness, for instance, the skyscraper and some lower buildings, Oriental in character, rich and fulsome in color.

Our own States are producing tile of this character. Massachusetts, New Jersey, Pennsylvania, Michigan, California shelter within their hospitable borders one or more manufacturers. They vary in the output as in the outlook, and their understanding or ability to assimilate the many fascinating secrets of the craft. The tile, glazed, semi-glazed, translucent, painted, pressed—all vary astoundingly. So that no longer can the architect claim an inability to secure color-bearing materials suited to our climate, to the strain and wear and tear of a building; indeed, before me are some of the most wonderful reproductions of turquoise blue, of golden lustre, that were ever made. Of their ability to withstand chemical test there is no longer any doubt. The body is hard, the key for the plaster reliable, and they can be cut and bedded in plaster or lime mortar as were the original tile conceptions as far back as the twelfth century. Indeed, it is not generally known that the star, the cross and the everlasting interlaces of the Arabian motif, were prompted by this subtle method of cutting and grinding the edges before pressing them into flat surface of lime mortar, the ceramics method of expressing once again and in his own language the delicate mosaics of costly marble and enamel with which the work of the older Oriental civilizations were famous.

This introduction of the Oriental tile is not simply an addition to the museums, but a new arrival to the industrial market of the building world. Tiling is here to stay. Its glaze transparent but hard, able to withstand the wear and tear, can be utilized for uooring to the inner and outer courts of public or private buildings. By subtle selection of surface, vitrified brick semi-glazed, is not so very far removed from the surface of the tiling as to make a reasonable partnership impossible. Naturally the fine glare of the glaze is dulled somewhat by rough usage, but that adds additional interest to the surface. Everyone who has paid the least attention to the progress of house designing in the West must have been struck with the added interest now given to the surface of the walling. Of course, the openings are well spaced, accented, related and well proportioned, which means that there is a certain balance and regard between one wall surface and the surface of another section of the building. What more natural than that the architect should devise means and utilize various materials which panel, sub-divide the wall surface, bringing interest to every foot of it? This

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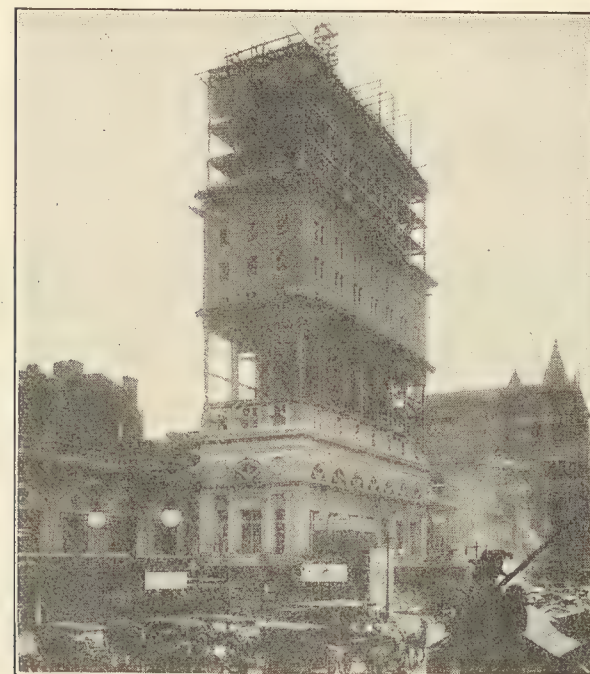
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is precisely what the Oriental did. At unexpected corners, the reveals of windows, recesses, round the head and border of wall openings, he added bands of color and ornament of peculiar interest and charm. "How am I to add tile when the stucco of my building will get darker in places, will get stained in the ordinary course of time, and the staining of one part will vary from that of another, while my bands of tiling will remain intact?" says one enthusiast. Our friend is right in thus touching the kernel of the difficulty. Hence the trouble with the use of tile for a permanent decoration of a building. It is verily a difficult element with which to work. It must be understood; it must be studied from its own viewpoint. This adds one more complexity to the fascinating cult we know as architecture, but the difficulty

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brings its own reward for those who love color and who understand it.

The architect's use of stone wherein metallic deposits enliven the surface, has been notable of late, and the various methods whereby brick has been fired and re-fired, its surface irritated and loaded with metallic encrustations is well understood and appreciated. Even our gray, serious friend, concrete has assumed a new lease of life by virtue of the adroit addition of color-bearing pebbles, quartz, broken tiling and coarse sand rich in silica. And now, once again, it seems that those who study color as such realizing its potency in our streets, yards and pavements in the neighborhood of our houses, and wall surfaces generally, return once again to Mother Earth, and from the commonest clay baked in some form or other, glazed and or-

namented, they extract a willing agent for the decorative side of buildings.

This is a day when clay covered in some ingenious manner by the adroit addition of glazes, opaque, semi-translucent, is king. Truly, it demands understanding as well as homage. Its right regal splendor is unmistakable. It lives. Other building materials endure, and their suffering is all to recognizable even to the illiterate! Stone darkens, disintegrates, perishes, granite befools, but for the lichen and weather colorings concrete even in its new lease of life would scarcely be interesting, brick is tolerated because of its wondrous color, yet, spongelike, it absorbs the moisture and is too often destroyed by the inclemency of the weather. Tile, terra cotta, or glazed clay in any form alone lives untarnished, unalterable. And that is doubtless one of the reasons why it is hard to use, difficult to understand, and why I have ventured to characterize it as a king by courtesy of the architect. Because it is up to him, after all, to maintain the integrity of its empire. Where tiling is used with its unalterable, unchangeable surface in connection with brick, stone, marble, concrete or stucco, all agents which change with the weather, assuming a different surface every day of their lives—it is a pretty hard proposition for the architect to so adjust his majesty the tile so that it may hold its proper sphere in the realm of good taste when all the rest of the materials are dancing to their own madcap caprice. The Oriental did it.

It is difficult to realize that like the rug woven in a gypsy's tent, these beautiful tiles are the product of an humble artisan, possibly in the pargon of the time we may venture to once again re-classify him as a craftsman, working in a mud hut; his fur-

nace, a rude oven scarce larger than a beehive, in one corner, a pestle and mortar and possibly an old knife his only tools. To these must be added a few handfuls of metallic oxide. It is difficult to realize such a peculiar softness and charm, the infinite tenderness of the flowers' geometric figures with possibly a written passage from the Koran as border, a message from a poet enthusiast from a distance can be held by a few inches of clay. When we realize its history, its age, its function and the way in which it is conveyed, loaded on the back of a camel, a mule or an ass, transported at the rate of a few cents a ton per mile, under the heat of an Eastern sun, from the land of stately domes and glittering minarets, shining like purest gold, enameled in azure and green, a fairylike apparition of inexpressive grace and enchanting splendor, we are wont to ask, "Is the tile not worthy of consideration?"

But it is as a decorative agent that I would speak, and speak practically and to the point. We of the New World need color in our streets and the great problem is how to get it. We are tolerably free from the shackles of mere tradition. Witness, for instance, our skyscrapers and our subways wherein architecture has danced attendance on the engineering instincts of our civilization. Tiles in various forms, shapes and surfaces can be utilized in all kinds of ways. With them the windows or door openings can be bordered, in place of overhanging cornices and projecting mouldings, bands narrow or wide and of varying colors can appear, giving practically the same decorative quality and giving it in a language that will make our streets more beautiful and more interesting. The glaze of the tile defies the weather. Every storm washes its face, so that it smiles again. By studying the scale of the ornament so that bands interlace and overlap at certain well-determined spaces, much quaint movement can be devised. Bands of color can take the place of projecting moulding, or mouldings can be so devised as to shelter and hold the tile within its grasp so that in place of dull insertions, rich tones appear.

The pavements to our houses, the terraces, staircases, entrances, piers, door and window heads, window boxes, and a thousand and other opportunities for handling wall surfaces as an opportunity for the use of tile, is all very well understood, but could be more generally accepted. What, for instance, is better than the contrast between the concrete, stucco and brick, the rough textured surfaces in counter-distinction to the smoothness of a lustrated tile?

Every builder should give careful consideration to the merits of tiles, both as an interior and exterior agent. As I have hinted, our architecture lacks color. Perhaps in no better way can color be secured than by a discriminating use of tiles.—Samuel Howe in "House Beautiful."



## Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

A movement has been started by the Cleveland Real Estate Board to secure a change in the national banking act passed in 1863, which will permit national banks to loan money on real estate.

\* \* \*

The H. W. Johns-Manville Company announce the appointment of Mr. C. S. Berry as manager of their Atlanta, Ga., office, located at 31½ South Broad street.

\* \* \*

That the manufacturers of the country are busy is evidenced by the fact that the importation of raw materials which they draw from other parts of the world exceeds in 1912 that of the corresponding period of any earlier year. The exportation of manufactures is also larger than ever before, promising a grand total of over a billion dollars in the full calendar year 1912.

\* \* \*

John G. Berquist, works manager of the Universal Portland Cement Company, at Chicago, has resigned that position. A connection with the company will be maintained by Mr. Berquist, who will hereafter act in the capacity of consulting engineer.

\* \* \*

According to a statement by the Fourth National Bank, of New York City, it "appears to be impossible to sell high grade bonds on the old 4 per cent. basis because of the world-wide tendency toward higher interest rates." The big railway and other bond issues expected after the turn of the year will probably yield 4½ to 5 per cent. It is evident that, with stock market bonds offering such returns, interest rates on real estate mortgages will also be higher in 1913 than they are now.

\* \* \*

Leonard Wesson, superintendent, Plant No. 2, Universal Portland Cement Company, South Chicago, Ill., has been transferred to the general office to assist President Edward M. Hagar in matters relating to appropriations, construction and operation. Mr. Wesson will have the title of Assistant to President.

\* \* \*

"The New York Journal of Commerce" reports a fire loss for September of \$13,779,300. The valuation of property subject to fire and upon which this figure is based, may be stated to be approximately \$60,000,000,000. This would make the September loss twenty-three cents for each one thousand dollars of property at risk. As a contrast with this, the September fire and water loss of the larg-

est of the New England mutual fire insurance companies amounted to \$3,081.34 on a valuation of \$369,000,000. This represents a loss of less than one cent on each one thousand dollars of valuation or approximately one-thirtieth the general rate for the country as a whole. The explanation is in two words—automatic sprinklers.

\* \* \*

Richmond Radiator Company, of 1480 Broadway, has purchased the assets of the McCrow-Howell Company, and began business on Monday, December 2. This company will continue the manufacture and sale of Richmond steam and water boilers, tank heaters, radiators, vacuum cleaners, enamel ware and "metal" boilers. The general offices will be located at 1480 Broadway. The Cameron, Schroth Company, of Chicago, will be Western representatives and will carry complete stock of Richmond products. Communications up to December 15 should be addressed to 103 Park avenue.

\* \* \*

American Institute of Architects announces that its Quarterly Bulletin will hereafter appear monthly under the title of "The Journal of the American Institute of Architects." The first copy of "The Journal" will be published in time for distribution at the annual convention of the American Institute of Architects, in Washington. It is the purpose of the committee to make "The Journal" a dignified and serious technical journal. It will continue to be the official organ of the Institute.

\* \* \*

A society has been incorporated at Albany, for the purpose of establishing co-operative relations among the different electrical interests in the United States, Canada and Mexico, with a view of increasing the use by the public of electrical current, thus increasing the demand for electrical apparatus and supplies and to promote the welfare of individuals identified with all branches of electrical industry. The principal office of the association will be in New York City. Henry L. Doherty, of 60 Wall street, New York, is a director.

\* \* \*

An amendment to the mechanics' lien law of Pennsylvania will be offered to the State Legislature at its next session. Under the operation of the present law those who supply materials used in building construction can file a lien on the building if payment is not made, even though, under some circumstances, the contractor may have received

payment from the owner for the materials furnished by him. The matter has been brought to a head through the reported failure of contractors to make payment for their materials although they had received payment from the owner for their work. A proposed plan is to require the owner and contractor to give bonds for the payment of all materials before delivery. The Manufacturers' and Contractors' Club, of Pittsburgh, has appointed a committee to work for an amendment to the present law.

\* \* \*

Safford Radiator Corporation, Detroit, Mich., which was recently incorporated at Dover, Del., with a capital stock of \$10,000,000, will manufacture sheet metal radiators, in addition to a line of boilers and furnaces. The incorporators are Clarence E. Safford, Frank J. Singer and Jere T. Purdy, all of Detroit.

\* \* \*

Cement exports from Germany for the seven months ended July 31, 1912, were nearly 1,250,000,000 pounds, or an increase of 250,000,000 pounds over the first seven months of 1911, and an increase of 400,000,000 pounds over the same period in 1910.

\* \* \*

Richmond Sales Company, New York, selling agents for McCrum-Howell Co., New York, has filed a petition in bankruptcy. The liabilities of the sales company are \$677,287, of which \$441,558 is due the McCrum-Howell Company, and \$16,120 to L. G. McCrum and G. D. Howell. The assets amount to \$72,370. The sales company operated forty agencies in various parts of the country for the sale of Richmond heaters and vacuum cleaning apparatus.

\* \* \*

In the regulations covering reinforced concrete recently adopted by all the boroughs of Greater New York, it is required that the vertical steel bars in reinforced concrete columns shall bear squarely on steel plate or casting bedded on top of the footing.

\* \* \*

Edwin O. Sachs, London, Eng., in a recent paper calls attention to the common misuse of the term "fireproof," and says that the use of the word should be avoided and the term "fire-resisting" used generally, as this term describes more correctly the varying qualities of different materials and systems of construction intended to resist for short or long periods the effect of fire at different temperatures.

\* \* \*

The American plant of the Harbison-Walker Refractories Company, which is located near Lock Haven, Pa., is to be placed in operation ere long, this following several years' idleness. About 75 men will be given employment at the start. In order that proper accommodations might be had by the workmen who will be employed here, the company has awarded the contract for the repairing of a number of workmen's houses in the vicinity of the plant. Business conditions.

(Continued on page 826.)



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## Editorial Comment

Mr. Albert Kelsey, who has just returned from Washington, in which city he has been attending the annual convention of the American Institute of Architects, reports the adoption by unanimous vote of a sharp repudiation of the recent assertion of the chairman of the House Committee on Appropriations that members of this organization charge one per cent. more on the total cost of buildings designed by them than do outside practitioners.

Mr. Kelsey explained that the chairman of the committee alleged in a public statement that the institute required its members to exact this higher rate of commission. In discussing the resolution, in which was embodied the repudiation of the statement, Mr. Kelsey said that the Board of Directors was requested to take immediate steps to correct the false impression.

Twenty-five prominent architects of this city, the majority of whom are members of the institute, attended the convention. Mr. Kelsey, who is the designer of many notable buildings throughout the country, including the Pan-American Building in Washington, given to the Government by Andrew Carnegie, is chairman of the organization's Committee on Public Information.

Publicity committees are now part of the sectional institutes, the object being to educate the public as to sounder methods of building, safeguards against fire, the benefits of town planning, and school building and monumental architecture. The report of the Committee on Information was made by D. Knickerbacker Boyd, of this city.

Another prominent architect of this city who figured in the convention was Frank Miles Day, chairman of the newly appointed Committee on Competitions. He reported notable results during the year, the conduct of the Missouri State Capitol competition being commented upon especially. He cited similar results with regard to a competition for a dozen other buildings, each of which involved an expenditure of \$1,000,000.

\* \* \*

The gold medal for "distinction in some branch of the arts or letters," during 1912, awarded by the National Institute of Arts and Letters, at the annual conclave of this body, made up of the foremost American representatives of arts and letters goes to a member of the architectural profession, Mr. William Rutherford Mead, of New York City, member of the firm of McKim, Mead & White. Mr. Rutherford has the additional distinction of being the first architect to be so honored.

\* \* \*

In an editorial in the "Public Ledger," commenting upon the fourth exhibition of the work of living American artists in the rooms of the Art Club of this city there ap-

pears a defense of the chauvinistic spirit as applied to the arts which is so admirable in its way that we cannot refrain from quoting it:

"There is a constantly growing appreciation in this country of the handiwork of the native born," says the "Ledger." "Such a recognition argues no smug provinciality, no narrow parochialism of taste, but on the contrary bespeaks a broad catholicity of judgment which recognizes merit where it may be found, and is not seduced by famous names or distinguished previous performance.

"The fact is, some of our painters are quite as good as their fellow craftsmen in other lands. Their technique is as sure of its aims, their observation is just as acute, their sense of color values and the significance of line is as true. The weird, contorted frenzy of the Cubist and the Futurist has found no lodgment among us; our honest and sober painters depict 'the thing as they see it for the God of things as they are,' and do not insult easel and palette with the disordered and opiated imaginings of those who seem to be eccentric because they are too lazy to learn how to handle the brush properly.

"Yet the work of our artists is not prosaic, humdrum. It has imagination, vitality and beauty, and a message to convey. Our painters seem to have surpassed our musicians, and perhaps even our writers, in their expression of the meaning of life in pigmentary terms. Those who would perceive that expression in its most convincing phases should welcome the present opportunity offered by the enlightened hospitality of the Art Club."

\* \* \*

Change "painters" to "architects" in this little tribute and you have a fairly accurate idea of "The Guide's" views upon modern architectural achievement. The disposition shown in quarters normally well-informed to exaggerate the qualities of everything that is foreign and adopt a deprecating attitude toward everything that is native or local is irritating to "The Guide's" conception of the functions of honest criticism and balanced artistic judgment. Art knows no nationality, is indigenous to no set locale. Greatness should be and ultimately will be as freely recognized parochially as internationally. The fact that an architecture is older than our own does not necessarily prove its superiority either as a work of art per se or one in which art has been subordinated to an utilitarian application.

\* \* \*

In view of the efforts being made to arrive at a just and equitable codification of the building laws here in Pennsylvania the following, from the "Engineering Record," is of timely interest.



"Building codes," observes the publication quoted, "are constantly receiving a great amount of study throughout the country. The expansion of the town into the small city, and of the small city into a metropolis necessitates changes in the regulations governing the larger and more complicated structures which inevitably come with municipal expansion and development. The excellence of codes varies with the ability of the framers and it is but natural to expect that, in general, sections covering similar constructions will in the codes of the smaller cities be inferior to the corresponding sections in the laws for the larger cities, on account of the narrower range of experience available in the smaller places. It is probably due to a full realization of these conditions that state building codes are being drawn up in Illinois and Ohio, and that the plan is under consideration in Pennsylvania. In many states there are now laws applicable to certain phases of building construction, with reference, for example, to fire escapes and to safeguards against fire in theatres and public assembly halls, but so far as this journal is informed there is now no comprehensive state building law.

"There are evident advantages of a state building law, chief of which is the state's ability to bring together as framers of the code a far more able body of engineers, architects and builders than any but the very large cities can secure. Such a board, moreover, is less likely to be influenced by interested building material manufacturers and dealers than is a local board. A further advantage would be that engineers and architects would have but one code to become familiar with in a given state, rather than many. If not carried too far, a state building code would seem advisable, for there is no reason why the practice in construction should not be uniform throughout the state. Of course, there are certain regulations which would be absolutely necessary in a city and unnecessary in the village, but this could be properly covered. Such a code ought not to go into the last detail of construction, but should give to the local departments authority to supplement the general requirements by more detailed provisions, as they are found necessary. This method of administering building laws has worked out successfully in large cities where politics and contending material interests have made impossible the adoption of an adequate code. Fortunately, however, the departments were vested with the power to prescribe additional regulations, and thus have accomplished results which probably could never be obtained if the sole recourse were in aldermanic legislation. The administration of these laws even if nominally entrusted to a state building department, as has been proposed in Illinois, must actually, if effective, be in the hands of the local authorities. To vest the state department with full authority would require the development of a very extensive organization, which, as state organizations go, could hardly be relied

on to render efficient service. The investigation and approval of new devices, constructions and materials and the gathering of statistical information might well be functions of such a department. Such work would furnish authoritative information to all building departments within the state thus avoiding duplicated investigations and tests."

\* \* \*

From the same, sane and authoritative publication we take the following comment upon the relative position of the architect and engineer with reference to city planning:

"City planning, in its newer sense of planning beautiful cities, is receiving almost as much attention in the United States as abroad, and probably because of the early stage in which so many of the projects now are the subject has been receiving far more attention from architects than from engineers. In England, while more actual construction work has been done, the architects, nevertheless, seem to be the moving spirits and protests have been heard from the engineering profession. In the earlier work of city planning, in the fashion rather aptly described as 'laying out a townsite,' and in extending city areas in the natural course of events the relative attention to the matter by architects and engineers was in just the reverse proportion, the engineer giving it much attention and the architect but little. In its modern acceptance, or rather in its acceptance in the United States, the plan generally consists of the development of a civic center and is thus quite limited in scope. Within that scope, however, it presents artistic problems with which the engineer is not fitted to cope and since these are the determining features and the ones most talked about the engineer's share in the work has come in for but little attention. Manifestly a proper solution of the problem requires close co-operation between engineers and architects, such for instance as has obtained in working out the proposed civic center in New York City."

A presentation of the engineering side of the case printed in the same number of the "Engineering Record" is reprinted elsewhere in this number of "The Guide." While it refers to British practice and necessarily quotes British standards it indicates nevertheless how necessary the proper solution of the engineering factors are in the success of schemes of the kind.

\* \* \*

By the time the next number of "The Guide" reaches its readers Christmas, 1912, will have passed into the limbo of things that were and we mortals, now unduly excited over the annual hurly-burly of Christmas shopping, will find ourselves gazing hopefully into the dawn of a new year. Under the circumstances it behooves "The Guide" to print the holiday greetings customary at this season a week earlier than would ordinarily be the case. We approach this duty in a spirit of sincerity that strips the occasion of the flavor of the perfunctory common to greetings of the kind "The Guide's" progress during

the year now closing being in the highest sense substantial and satisfactory. Whereas here and there an old and valued advertiser has, for reasons unrelated to any question of policy, withdrawn from "The Guide's" pages, these cases have in every instance been of but temporary duration and have been more than met by a steady influx of new business and a marked and notable gain in circulation, quality of circulation, ability to get results and growing editorial influence. We have been criticized, of course. The editor of "The Guide" has touched upon certain topics in a style and with a frankness that has more than once ruffled the plumage of that element which seems to think that a trade paper is run for the special benefit of people who do not advertise in it and read it only when they can manage to pick up a stray copy in the office of one of the architects or in the rooms of the Builders' Exchange. And these ruffled ones have sent in some peppery correspondence on the general subject of how a trade paper should be run and what it ought to print by way of convincing "The Guides" editor that one-half of the things he didn't know about running a paper would stock a Carnegie branch library. But—being of a philosophic frame of mind, the editor has merely smiled indulgently at these outbreaks and continued imperturbably his habit of speaking his mind—a habit he has learned in twenty years of practical experience as an editor pays better than sycophantic catering to interests spoiled by overcoddling and a policy of suppressing facts of more than local note. "The Guide" is an organ of the building trades, ready at all times to print anything calculated to advance the welfare of the interests for which it stands. It is an organ also of the architectural profession prepared to lend its aid and influence in every movement undertaken to benefit and further the interests of American architecture. When, however, it comes to boosting certain lines of material or certain devices "The Guide" believes now and always has believed in reciprocity. Such favors as "The Guide" has to bestow are for its advertisers and for its advertisers only. The manufacturer who imagines that "The Guide" is a philanthropic enterprise for the gratuitous boosting of his product has another guess coming. And the trade organization which holds itself above wholesome criticism will, so far as "The Guide" is concerned, continue to fulminate its august displeasure.

Which—isn't at all what we set out to say when this editorial was started. What we set out to say was a word or two of Christmas greeting to "The Guide's" friends, subscribers, advertisers, exchanges, and well-wishers. To these we beg then to extend "The Guide's" best wishes for a Merry Christmas and Bright and Prosperous New Year. As Stevenson puts it:

"The world is just full of such wonderful things  
I'm sure we should all be as happy as kings!"



## Up-to-Date Lighting

Some people are to-day using improved tallow dips and oil lamps for illumination, simply because they have gotten into an old-fashioned rut. We should all get the Electric Light habit—it will save us money and health, it will lengthen our lives and improve our tempers. The present generation cannot afford antiquated methods.



### TRADE NEWS AND GOSSIP.

(Continued from page 823.)

tions with the Harbison-Walker interests are excellent. At the last meeting of the Board of Directors of this company, the usual quarterly dividend of one-half of one per cent. on the common stock was paid December 1.

\* \* \*

A most elaborate and instructive exhibit will be made at the Pittsburgh Cement Show, December 12-18, 1912, and at the Chicago Cement Show, January 16-23, 1913, by the United States Bureau of Standards, Department of Commerce and Labor. Large space has been taken and a brief outline of the character of the exhibit and demonstrations is as follows: Various cement test pieces apparatus used in testing cement, apparatus for standardizing sieves and specific gravity bottles, an exhibit of concrete electrolysis test specimens, a chemical exhibit showing the standard method of analyzing cement, a strain gauge with diagrams showing the value of an interferometer mounted on a concrete test beam showing the possibilities of precise measurements, various types of pyrometers for high temperature reading, clay and lime test specimens, with, perhaps, several other pieces of apparatus illustrating the scope of the Bureau's work. This exhibit will be accompanied by various diagrams and photographs and a collection of the publications of the Bureau.

\* \* \*

The paving of Third avenue between 150th street and Tremont avenue, New York City, has been done by taking up the old granite blocks, splitting them in two and relaying them on a 5-inch concrete foundation. Then concrete is poured into the joints, making a solid pavement. This makes us eof the old blocks and effects a large saving.

The Atlas Portland Cement Company has sent out a neat announcement directing attention to the fact that the 5,000,000 barrels of "Atlas" cement already supplied for the construction of the Panama Canal have been accepted by the United States Government without the rejection of a single barrel; and further, the Government has ordered the Atlas Portland Cement Company to supply, in addition, all the cement necessary to complete the work in the entire canal zone.

\* \* \*

Charles Stevens, aged 30 years, a negro workman at the plant of the Edgar Thompson steel works, in Braddock, Pa., had a unique experience with a concrete mixer at the plant October 14. While working on the mixer, Stevens lost his balance and fell into the hopper. He was dug out by fellow workmen at the end of the machine where the mixed concrete comes out, a sorry looking sight. He was revived and sent to his home, little the worse for wear, and was at work again the next day.

\* \* \*

Women as a factor in fire prevention will be demonstrated at the fire show from December 21 to 28 at Madison Square Garden, New York. Domestic fire prevention is rapidly being reduced to a science. Good house-keeping means the absence of inflammable rubbish in corners, closets, and of-of-the-way rooms, which so greatly increases the fire hazards. Superheated attics have caused many fires. Ordinary matches will ignite at 110 degrees Fahrenheit. Fireproof installation of stoves means care, more than cost. The fire peril is just as great in the office building as in residences, because of conditions that intelligence and care would obviate. A special committee of women will publish preventive measures possible for women to employ.

\* \* \*

"Ethics of the Real Estate Profession" was the topic of a paper by Robert J. Williams, title officer of the Commonwealth Title and Trust Company, before the real estate class of the Y. M. C. A., Philadelphia. He maintained that a broker authorized to buy a property at a certain figure cannot buy it in himself at a lower figure, even under some one else's name, and then resell it to his buyer at the latter's figure. The law holds that he purchased it as trustee, and he will be forced to forfeit his commission as well as give up the property to the rightful buyer.

\* \* \*

Walter Clark, the president, agreeably surprised the managers of the Franklin Institute, at a recent meeting, when he announced the receipt of a gift of \$50,000 in cash from "a friend" as a memorial to James H. Cresson. The deed of gift provides that the principal shall be invested and the income used for the general purposes of the Institute. Mr. Cresson was the son of Benjamin and Deborah Phipps Cresson. He was born December 26, 1803, and died February 3, 1880. He joined the Institute in 1836 and was a

member until his death, having become a life member in 1875. He was a first cousin of John C. Cresson, who was president of the Institute from 1855 to 1864.

\* \* \*

Seventeen students of the University of Pennsylvania, including two young women, who completed their course in the middle of the present college year, received their degrees on Friday last. Graduation exercises were held in Houston Hall. Towne Scientific School—Rexford Mason Glaspey, bachelor of science in electrical engineering; Joseph Patterson Sims, bachelor of science in architecture; William Martin Campbell, bachelor of science in architecture; Grover Cleveland Sessler, civil engineer.

\* \* \*

In the building of the American Fine Arts Society, at 215 West Fifty-seventh street, the twenty-eighth annual exhibition of the Architectural League of New York will be open from Sunday, February 2, to Saturday, February 2, inclusive. The last day for the return of entry slips will be Monday, December 30. Days for the reception of exhibits, January 16 to 17. Lectures will be given on Saturdays, February 8, 15 and 22. Medals of honor will be bestowed for architecture, painting and sculpture. The jury on architecture will consist of Robert D. Kohn, Breck Trowbridge, Robert I. Aitkin, George W. Breck, Aymar Embury, J. H. Freedlander, Cass Gilbert, William R. Mead, Charles A. Platt. For 1912 Charles A. Platt received the medal of honor for his country houses. No award was made in 1911, but in 1910 the beauty of the Metropolitan Tower brought its architects, P. & M. Le Brun, the medal of honor for that year. The Messrs. Le Brun then retired from professional life. The Phipps house won Trowbridge & Livingston the medal in 1909. McKim, Mead & White won it in 1907 with their Madison Square Presbyterian Church, and Carrere & Hastings the year before on account of a residence at West End, New Jersey.

A word with you, Mister Ad-Man. "The Builders' Guide" is the **only** building magazine in Pennsylvania. It is the **only** architectural magazine in Pennsylvania. It is one of the oldest trade publications in the East. It goes every week in the year to a clientele you will find it difficult to reach in any other channel. For example, every architect in Pennsylvania gets it. Every builder in Pennsylvania gets it. Every building owner who takes out a permit, whether for new building, building additions or alterations, gets it. Thousands of subscribers in every branch of the building trades get it. Don't you think 'twould be pretty good business to make a place for it on your list for 1913?

The finest automobile will not run when the tank is empty, and the finest space can not pull unless it is filled with copy that grips interest.—"Printer's Ink."



## SAND FOUNDATIONS FOR HIGH BUILDINGS

Sand, being almost incompressible under ordinary conditions, can sustain very heavy loads with slight or negligible compression. When it directly overlays rock or other thick hard stratum and is securely confined or otherwise protected against possibility of lateral displacement it forms a satisfactory foundation and will carry heavy loads with safety as long as these conditions are maintained, says the "Engineering Record."

It transmits pressure laterally so that a heavy vertical load may produce considerably horizontal thrust and to resist it the sand must be confined horizontally by natural or artificial means. At considerable depths below the surface the weight of the superincumbent material affords resistance to transverse or upward pressure and is equivalent to lateral confinement for ordinary pressures. This resistance, of course, ceases whenever an excavation is made below and adjacent to the point of application of vertical pressure.

The presence of water makes a great difference in the character of the sand so that the drainage of wet sand or the saturation of dry sand under pressure is an important matter, while flowing water passing through sand, especially if fine, is very likely to carry the grains with it or produce a considerable movement.

Careful consideration must therefore be given to these factors when it is proposed to build heavy structures on sand foundations. If any changes in the amount of water in the sand are possible adequate safeguards to maintain the conditions must be adopted.

Many heavy buildings of moderate height, including some of the earlier steel cage skyscrapers, have foundations on sand, usually only a few feet below the surface, and these foundations in many instances have proved entirely reliable. Almost all of them are at or above ground water level. Formerly they were made with timber and masonry footings, then of concrete and now almost entirely of reinforced concrete or of steel beams enclosed in concrete.

Some buildings have a monolithic foundation slab covering the entire area. While theoretically this distributes the load uniformly and produces the smallest unit pressure, it is generally very difficult and expensive to avoid excessive stresses in the distribution, and some such footings, especially those of concrete without adequate reinforcement, have become badly cracked and broken and have permitted serious settlement. It is therefore the general practice now to support the columns singly or in small groups on isolated separate footings proportioned to reduce the loads to substantially the same unit pressure on all.

The Spreckels building, San Francisco, 15 stories high, was built about fifteen years ago with all of its columns seated on a double grillage of continuous I-beams reaching en-

tirely across the lot in both directions and embedded in a mass of concrete more than 4½ feet thick resting on wet sand 25 feet below the surface of the street. This has proved satisfactory, enduring severe earthquake shocks which it was expected to resist.

The columns of the St. Paul building, a 26-story structure in New York, have steel beam and girder grillage with concrete footings on the wet sand about 30 feet below the street. The sand was loaded to 8,000 lbs. per square foot, and in several years has settled only a fraction of an inch and with such regularity that it has been unnecessary to adopt the special provisions designed for compensating irregular or excessive settlement.

In the new municipal building, New York, part of the foundations are carried to solid rock and part supported on wet sand, nearly 90 feet below the surface. This building is 25 stories high and has a 15-story central tower rising to a height of 580 feet above the street. The pressure on the sand is 12,000 lbs. per square foot, and this pressure was adopted after making preliminary and full-size pier tests which showed settlements of less than 3-16 inch and ½ inch, respectively, under the working load. A large proportion of the ultimate load has now been applied and the sand foundations show slight settlement, not exceeding the amounts indicated by the tests. The rick foundations show settlements of about ⅛ inch, attributed to adjustment of bearings. The settlements in both cases are so small that no injury to the superstructure is anticipated.

The foundations of the 32-story building in Cincinnati consist of steel grillages enclosed in concrete and imposing a load of 11,000 lbs. per square foot on dry sand about 50 feet below the street. In this case the foundations carry an estimated total load of about 104,000,000 lbs. and occupy about 70 per cent. of the entire area of the building. No allowance whatever has been made for settlement, but it is expected that the full load may cause a packing of from ¼ inch to possibly ½ inch.

The comparison of these foundations of sand with those carried through quicksand to deep rock is difficult, but it seems that the large saving effected by the former justified the very careful consideration of both types and a study of rational and practicable methods of protecting the sand. So far reliance appears to have largely been placed on carrying the footings to a considerable depth rather than enclosing them with some protecting barrier that might in some cases prove simple and economical.

**Advertise! The minute you stop advertising you lose ground. You may not feel this loss right away. But you must feel it in the end. Advertising is the dynamo of modern business.**

### STANDARDS OF VALUE.

#### Rules for Estimating the Value of Lots of Varying Depths.

When the actual work of assessment is undertaken, the first problem that confronts the assessor is to find a basis for valuation, that is to say, a standard of value by which to measure each parcel and in terms of which to express its relation to the standard.

It is apparent that the primary need of the assessor is to determine for his own locality the normal unit of land area. This may be the lot of average size, say 25x100 feet, or 50x150 feet, or whatever is by common consent regarded as a normal lot in the particular city. It is impossible to lay down one unit for all cities. Lots in one city may be generally 100 feet deep, in another 150 feet and in still another 200 feet. The normal width of such lot may be 20 feet in one place and 50 feet in another. But in each city or section thereof it is clearly possible to fix upon a lot of a given size as the normal. From this lot of normal size the assessor may easily determine the value of one foot frontage of the normal depth, and from this smaller unit he can determine the value of a lot of normal depth of any frontage by simple multiplication.

In Trenton, N. J., the Commissioners of Assessment keep a unit value book, by streets, showing for each block on the street the front foot value determined by the board for inside lots 100 feet deep. These values are revised by the board annually before the actual assessment is made, and the book is ruled so that the values for several years appear in parallel columns. In New York the unit value used is noted by the assessor on his field book.

The next problem is to formulate a rule for valuing lots which are shorter or longer than the normal. This has been met in such cities as Newark, New York and Baltimore by the use of tables, based upon the experience of the Tax Departments, on which are shown, in percentages of the whole, the value for each foot of depth. The Newark rule and the New York rule are not quite identical. The Newark rule gives a little more value to the front part of the lot than the rule in use in New York. We do not undertake to say that one is nearer the absolute truth than the other. Local conditions in each city may require a special table for such locality. A table similar to the Newark and New York tables should be prepared for each city and should be used by the assessors. This table should be given the utmost publicity, and should be revised as occasion demands, whenever the assessors are satisfied that the need exists. There is this, however, to be said, that as soon as any table is generally accepted by the assessors and by the real estate men of any city the need of revision would practically disappear, because whether the rule conforms absolutely to the actual fact or not does not matter, provided purchases and sales of real estate in that city are substantially



based on the use of such a rule. This has proven to be the fact both in Newark and New York.

Fifty years ago in deciding a lawsuit Judge Hoffman, of New York, laid down the rule that an ordinary city lot 50 feet deep was worth two-thirds as much as a lot adjoining which was 100 feet deep, the latter being the standard depth in the city of New York. This formula has been accepted generally by real estate men and by the City Tax Department, and various rules and scales have been devised from it based upon the same principle. The Hoffman rule has been adopted in other cities also.

The Hoffman rule, however, has been found to give too little value to the front portion of a lot or to a short lot as compared with a deeper one on business streets, especially where frontage values are high. Various modifications of this rule are employed by individual assessors in different districts.

In the city of Newark, where front foot values are second only to those in the city of New York, a slightly different rule is used. For business properties the Newark rule gives 50 per cent. of the value to the first 25 feet, taking, also, a 100-foot lot for a standard. This is about the ratio used by the assessors in New York business districts.

For lots deeper than 100 feet there is a decided variance in rules and opinions. Generally a 200-foot lot is estimated to be from 25 to 30 per cent. more valuable than a 100-foot lot where the latter is the standard.

It should be noted also that experienced assessors do not all agree that 100 feet can be used as a unit when normal lots are 150 to 200 feet in depth.

In Baltimore the normal depth of lots in the business section is 150 feet. The table used in that city is calculated to show the percentage which a lot shorter than 150 feet bears to the standard size, and also the additional value of a deeper lot up to 200 feet. This rule practically makes the rear 100 feet of a 200-foot lot worth 20 per cent. of the front 100 feet. But in the comparative value of the first 50 feet of a 100-foot lot it comes closer to the Hoffman than to the Newark rule.

Your committee expresses no opinion on these disputed points. We believe that the actual variation between the various rules is negligible compared with the enormous advantage of adopting some tested rule in place of an arbitrary judgment of each piece of property.

The rules above discussed have been considered only in their application to lots of usable size. The rules may be used on narrow lots and lots of irregular shape, but they should be applied with caution, and the results should be carefully checked by a study of actual conditions and values.—From the report of the committee on assessments of real estate of the National Tax Association.

Many a man has a "Do It Now" motto over his desk and cobwebs on his brain and dust on the desk.

## Alterations and Additions

(Continued from page 818.)

E. H. Pruyn (O), 4410 Paul street. Ruhl & Wagner (C), Fourth and George streets. Cost, \$535. Residence, 4410 Paul street.

George Walker (O), 5527 North Third street. Ruhl & Wagner (C), Fourth and George streets. Cost, \$415. Hot water heating system, 5527 North Third street.

B. McMahan (O), Ridley Park, Kineatic Engineering Company (C), Sixtieth and Baltimore avenue. Cost, \$500. Dye house, Sixtieth and Baltimore avenue.

Mrs. G. A. Fletcher (O), 216 North Thirty-fourth street. R. G. Loughery (C), 46 North Eleventh street. Cost, \$500. Dwelling, 216 North Thirty-fourth street.

St. David's Church (O), Dupont street. William Davenport (C), 104 Conassie street. Cost, \$450. Hot water heating system, 152 Krams street.

Joshua M. Parsons (O), 224 Callowhill street. George Kessler (C), 931 Drexel Building. Cost, \$1,000. Saloon and dwelling, 224 Callowhill street.

Pennsylvania Railroad (O). Frank B. Clayton's Sons, 1237 North Eleventh street (C). Cost, \$300. Fire escape, Broad Street Station.

Nathan Kosone (O), 1833 Ridge avenue. Cost, \$3,000. Dwelling, 1510 Poplar street.

Mrs. J. Robinson (O), 472 Monastery avenue. E. K. Tomlinson (C), 445 Martin street. Cost, \$845. Shed.

Philadelphia Rapid Transit Company (O), Eighth and Dauphin streets. Cost, \$4,000. Shop, Kensington avenue and Cumberland street.

W. Lotten (O), 915 North Twentieth street. S. T. Luff (C), 700 North Nineteenth street. Cost, \$500. Dwelling.

Merchant & Evans Company (O), 2019 Washington avenue. F. A. Havens & Co. (C), 845 North Nineteenth street. Cost, \$7,000. Factory.

Peterman Bros. (O), 1130 East Tioga sts. Cost, \$1,400. Light manufactory, 1814-18 East Russell street.

Elite Laundry Company (O), 1836 North Nineteenth street. Cost, \$1,000. Stable, 1832-34 North Nineteenth street.

Philip Markowitz (O), 416 Christian street. Louis Cohn (C), 417 Christian street. Cost, \$1,975. Dwelling, 425 Christian street.

## NEW SOURCES OF REVENUE.

### Suggestions Made by Board of Brokers of New York.

The Board of Real Estate Brokers of New York City, who are strongly opposed as they are in this city to any further tax on real estate, have made the following recommendations to the Mayor of New York with the view of indicating possible new sources of municipal revenue:

First. Reduce the amount and number of tax exemptions. (a) Property should be exempted from taxation only with the approval of the Board of Estimate and Apportionment. (b) The Board of Estimate and Apportionment should consider and revise assessments yearly. (c) Extensive publicity should be given to all exemptions.

Second. Secure a fairer apportionment between the State and the city in the matter of the division of the inheritance, excise, mortgage, secured debt, and stock transfer tax.

Third. Tax corporations doing business in the city of New York (at about  $\frac{1}{2}$  of 1 per cent.) on net profits in excess of \$3,000, similar to the United States corporation income law.

Fourth. Increase the interest charges for city funds in banks and trust companies.

Fifth. Revise charges for licenses, permits, privileges, and concessions granted by the various city departments, and make them commensurate with the benefit obtained.

Sixth. Make annual charge for all vault spaces beneath sidewalks.

Seventh. Impose tax on business and pleasure automobiles, on account of heavy cost of street repairs.

Tenth. Amend the personal tax law so as to make it enforceable and reduce the amount of tax to  $\frac{1}{4}$  of 1 per cent., or even less, if advisable.

Eleventh. Decrease the expense of the running of the various city departments.

Twelfth. Sale of school sites and other sites purchased on behalf of the city for a number of years, which sites have been abandoned.

Thirteenth. Use schools, police stations, etc., for voting and registration purposes, instead of hiring stores for that purpose.

Fourteenth. Tax places of amusement, hotels, etc.

Fifteenth. Make annual charge or tax for overhanging signs, electric lights, and billboards.

## SOME MORE ADVERTISING

### "DONT'S."

Don't try to do a million dollar business on a two thousand dollar basis.

Don't try to advertise a quarter page proposition in a three-inch space.

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Don't overlook the fact that as a man is judged by his stationery, so a firm is judged by its advertising.

Don't expect outsiders to give you a big rating on a one-inch space.

Ever try a "Want" ad. in The Guide? Gets the goods every time.

Your salesman would consider himself fortunate to get **ONE TEN-MINUTE INTERVIEW** with a busy architect **IN THREE MONTHS**. We **REACH** and **TALK DIRECT** to men of this calibre **FIFTY-TWO WEEKS IN THE YEAR!**

## REAL ESTATE TRANSFERS.

Summary for week ending December 14, 1912:

Number of transfers .....	619
Amount of transfers .....	\$1,217,834.49
Cash consideration .....	289,718.89
Mortgage consideration .....	928,115.60
Ground rent consideration ....	1,901.00
Which on a 6 per cent. basis amounts to .....	31,583.34



# Reference Directory for Architects, Builders and Owners

## Artesian Wells.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co., Bourse Bldg., Phila.

## Artists' and Architects' Supplies.

Keystone Blue Paper Co.,  
910 Filbert st., Phila.  
Chas. H. Robbins, 125 S. 11th st., Phila.  
F. Weber & Co., 1125 Chestnut st., Phila.

## Awnings

Bernard McCurdy,  
N. E. Cor. 9th and Arch sts., Phila.

## Brick (Face, Etc.)

O. W. Ketcham, Builders' Exchange, Phila.

## Brick Renovating.

Adolph Christensen,  
1433 Brown st., Phila.

## Blue Prints

Blue Print Co., 1516 Chestnut Street, Phila.  
Keystone Blue Paper Co.,  
910 Filbert st., Phila.  
Chas. H. Robbins, 125 S. 11th st., Phila.  
H. H. Storey Co., 329 Walnut st., Phila.  
F. Weber & Co., 1125 Chestnut st., Phila.

## Blue Print Paper.

Keystone Blue Paper Co.,  
910 Filbert st., Phila.

## Boilers and Radiators.

Isaac A. Sheppard & Co.,  
Erie ave. and Sepviva st., Phila.

## Builders.

Mitchell Bros., 2125 Race St., Phila.  
Pomeroy Const. Co., 1609 Ranstead st., Phila.

## Canvas Roofing.

The Franklin Paper Co.,  
718 Cherry st., Phila.

## Cement.

Samuel H. French & Co.,  
4th and Callowhill sts., Phila.  
Chas. Warner Co., Land Title Bldg., Phila.  
Knickerbocker Lime Co.,  
266 N. 24th St., Phila.

## Cement Colors.

Samuel H. French & Co.,  
4th and Callowhill sts., Phila.

## Cold Water Painting.

William B. Southern,  
N. W. Cor. 12th and Spruce sts., Phila.

## Concrete Reinforcement.

American Metal Stamping Company,  
20 Herman st., Phila.

## Drawing Materials.

Keystone Blue Paper Co.,  
910 Filbert st., Phila.

## Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,  
10th and Chestnut Sts.

## Elevator (Lubricators.)

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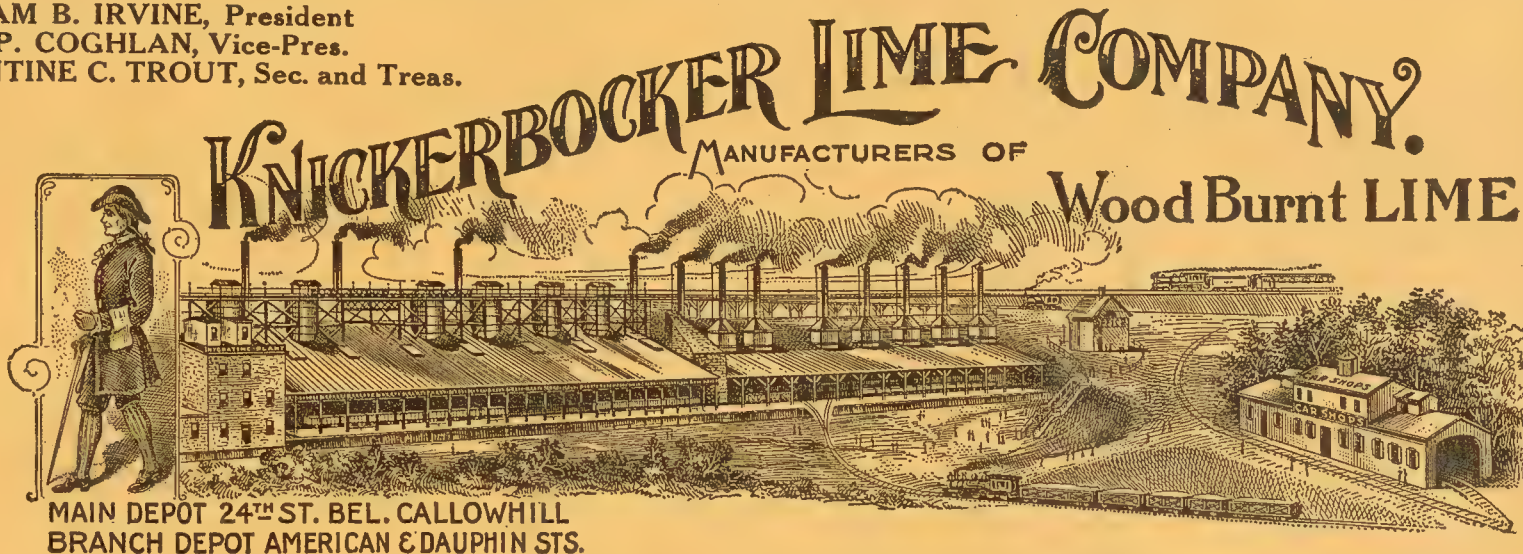
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Vol. XXVII., No. 52

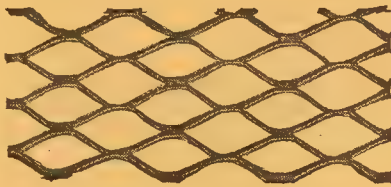
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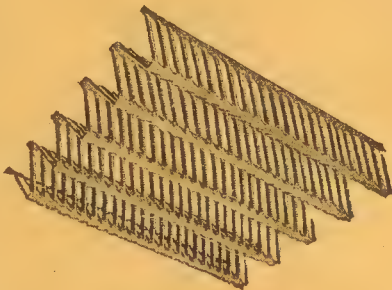
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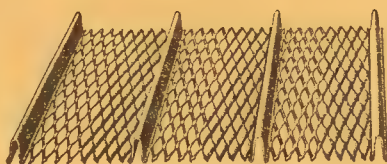


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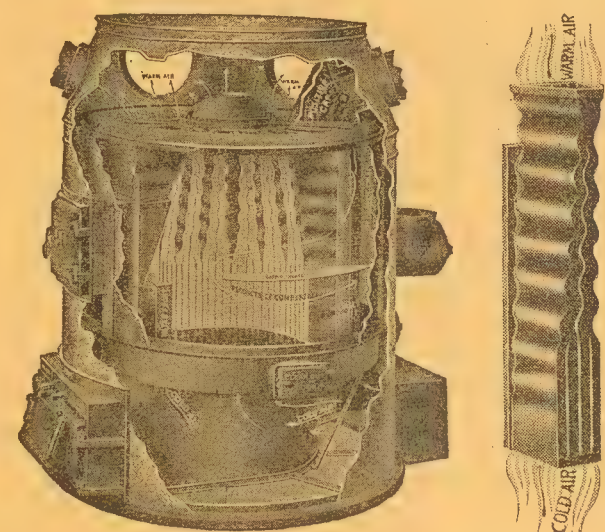
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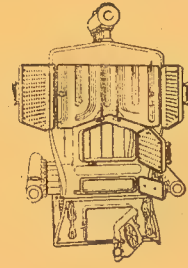
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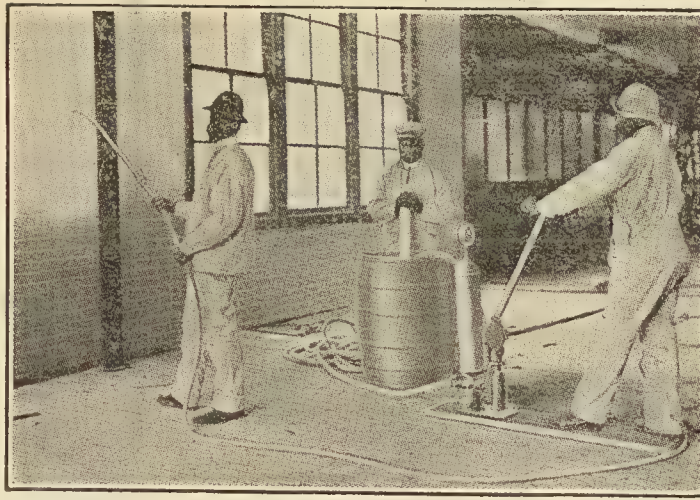
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# Builders' Guide

OLDEST AND ONLY ARCHITECTURAL PUBLICATION IN PENNSYLVANIA

Vol. XXVII., No. 52.

PHILADELPHIA, WEDNESDAY, DECEMBER 25, 1912.

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## Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Theatre**, Atlantic City, N. J. Architects, Magaziner & Potter, 137 South Fifth street. Owners, Seltzer Brothers, 247 South Third street. Brick and steel and concrete, one story. 60x140 feet, slate roof, steam heating, electric lighting. Architects have received revised bids.

**Residence**, St. Martins, Pa. Architects, Harris & Richards, Drexel Building. Owners, Henry L. Davis, Jr., 423 West Stafford street. Stone, two and one-half stories, 33x70 feet, slate roof, electric lighting, steam heating, hardwood floors. Architects taking bids, due December 27. The following are figuring: H. H. Burrell, 1204 Chancellor street; W. J. Gruhler, 219 High street; George & Borst, 277 South Eleventh street; J. E. Walt, 204 East Willow Grove avenue; F. Elvidge & Sons, 5522 Germantown avenue; W. J. Stevens, Wyncote, Pa.; F. L. Hoover & Sons, Builders' Exchange.

**Coaling Station**, Port Reading. N. J. Architect, private plans. Owners, Port Reading Railroad, care of Philadelphia & Reading Railroad Company, Reading Terminal, Philadelphia. Steel and wood, 66x473x38 feet, composition roof. Owners taking bids, due December 31. The following are figuring: F. L. Hoover & Sons, Builders' Exchange; Brown-King Construction Company, Harrison Building.

**Garage**, 881 to 883 North Fortieth street. Architect, J. E. Jackson, 727 Walnut street. Owner, Giovanni Fioeci, care of Architect. Brick, one story, 30x100 feet, slag roof, electric lighting, steam heating. Plans about completed. Architect will take bids in a few days.

**Residence**, Ardmore, Pa. Architects, McIlvain & Roberts, Land Title Building. Owner, Alfred G. Hare, Ardmore, Pa. Stone, frame and plaster, two and one-half stories, 39x34 feet, shingle roof, electric lighting, hot air heating, hardwood floors, three bathrooms. Architects taking bids, due as soon as possible. Metzger & Wells, Heed Building, are figuring.

**Residence**, Ardmore, Pa. Architects, McIlvain & Roberts, Land Title Building. Owners, McIlvain & Co., Land Title Building. Stone, frame and plaster, two and one-half stories, 51x26 feet, shingle roof, electric lighting, hot water heating, hardwood floors, three bathrooms. Architects taking bids, due as soon as possible. Metzger & Wells, Heed Building, are figuring.

**Supplies for Fairmount Park, etc.** Owner, City of Philadelphia, Commissioners of Fairmount Park; Jesse T. Vogdes, Chief Engineer, City Hall. Sealed proposals will be received until December 27, at 11 A. M., for the following supplies: For Fairmount, Hunting and Burholme Parks, hardware, paints and glass, plumbers' supplies, bricks, cement and gravel, lockers, cement and granolithic walks.

**Apartment House** (alt. and add.), 1516 North Fifteenth street. Architect, Mahlon H. Dickinson, 1524 Chestnut street. Owner, Clarence P. Wwnne, Fifteenth and Walnut streets. Brick, three stories, 46x92 feet, steam heating, electric lighting. Architect has received bids.

**Post Office**, Bellefontaine, Ohio. Architect, Oscar Wenderoth, Treasury Department, Washington, D. C. Owner, United States Government, Treasury Department. Brick, stone and steel, fireproof, two stories, tin roof, steam heating, electric lighting. Owners taking bids, due January 30, 1913, at 3 P. M. J. E. & A. L. Pennock, Land Title Building, and D. T. McCarthy, 411 Walnut street, are figuring.

**Post Office**, Elkins, W. Va. Architect, Oscar Wenderoth, Treasury Department, Washington, D. C. Owner, United States Government, Treasury Department. Brick, stone and steel, semi-fireproof, two stories, tin roof, steam heating, electric lighting. Owners taking bids, due January 28, 1913, at 3 P. M. J. E. & A. L. Pennock, Land Title Building, and D. T. McCarthy, 411 Walnut street, are figuring.

**Residence**, McKean and Clapier streets, Germantown. Architects, Druckenmiller, Stackhouse & Williams, Land Title Building. Owner, Rushton Marot, 212 Race street. Stone, two and one-half stories, 50x60 feet, shingle roof, hot water heating, electric lighting, hardwood floors. Revised plans in progress. Architects will take bids in about ten days.

**Hospital** (alt. and add.), 1920 Race street. Architect, E. F. Durang & Sons Company, Twelfth and Chestnut streets. Owner, Monahan Hospital, 1920 Race street. Brick, three stories, slag roof, electric light. Revised plans in progress.

**Home, Boiler House and Laundry**, Frazier, Pa. Architects, Ballinger & Perrot, 1211 Arch street. Owners, Sisters of the Immaculate Heart of Mary, Frazer, Pa. Brick and stone, consists of all interior finishings and completion, plumbing, heating and electric fixtures, floors, painting, plastering and furnishings. Architects taking sub-bids, due December 27.

**Almshouse**, Pleasantville, N. J. Architect, S. H. Vaughn, Atlantic City, N. J. Owners, Board of Freeholders, Atlantic City, N. J. Brick, two stories, 32x130 feet, with two wings, slate roof, electric lighting, steam heating. Owners taking bids, due December 28. Sax & Abbott Construction Company, Hale Building, and Metzger & Wells, Heed Building, are figuring.

**Residence** (3), Latham Park, Pa. \$45,000. Architect, Frank Seeburger, Pennsylvania Building. Owner, William L. Elkins Estate, Land Title Building. Stone, timber and plaster, two and one-half stories, 46x55, 57x54 and 54x56 feet, shingle and tile roofs, 9 bathrooms, hot water heating, electric lighting, hardwood floors. Architect taking bids, due December 28. The following are figuring: Charles C. Pace, 1716 Sansom street; Metzger & Wells, Heed Building; John E. Kearney, 327 North Sixty-third street; Milton W. Young, Overbrook, Pa.; Henry Specht, Willow Grove, Pa.; John Stevens, Wyncote, Pa., and Mowrer Brothers, Merion, Pa.

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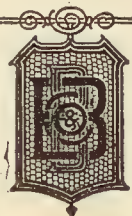
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Residence (alt. and add.), Berwyn, Pa. Architects, Duhring, Okie & Zeigler, Bailey Building. Owner, George S. Hutton, Berwyn, Pa. Stone and frame, two and one-half stories, shingle roof, electric lighting, Kelsey warm-air heater, white oak floors, three bathrooms. Architects taking bids, due December 28. The following are figuring: A. L. Fretz & Sons, 1222 Chancellor street; William H. Parlaman, Devon, Pa.; William H. Russell, Paoli, Pa.; M. J. McCone, Devon, Pa.; J. P. Lamborn, Berwyn, Pa., and R. C. Ballinger & Co., 218 North Thirteenth street.

School Building, Ardmore, Pa. \$60,000. Architects, Furness, Evans & Co., Provident Building. Owner, Lower Merion Township, Ardmore, Pa. Stone and brick, two stories, 55x66 feet, slate roof, electric lighting, steam heating. Owners taking bids, due December

30. The following are figuring, in addition to those previously reported: A. L. Fretz & Son, 1222 Chancellor street; A. Whitehead, 1624 Latimer street, and Alex. Chambley, 243 South Tenth street.

Stable and Garage, Second. and. Butler streets. Architect, Charles Austin, Patton, Cambria county, Pa. Owners, J. J. Fitzgerald & Co., on premises. Brick, two stories, 25x50 feet. Plans in progress.

Office Building, Richmond, Va., \$1,000,000. Architects, Simon & Bassett, 1114 Chestnut street. Owner, Capitol Square Building Company, Richmond, Va. Brick, stone and steel, fireproof, fifteen stories. Plans in progress.

Residence, Germantown, Philadelphia. Architects, Duhring, Okie & Zeigler, Bailey Building. Owner, R. W. Scott, 615 West Upsal street. Stone and frame, two and one-half stories. Architects ready for bids.

Residence and Stable, Rydal, Pa. Architects, Zantzinger, Borie & Medary, Fifteenth and Walnut streets. Owner, W. H. Weber, Rydal, Pa. Stone, three stories, 30x64 feet, shingle roof, hot water heating, electric lighting, hardwood floors. Revised plans in progress. Architects will take bids about January 1.

Residence (alts.), Three Tuns, Pa. Architects, Savery, Scheetz & Savery, Stephen Girard Building. Owner, Mrs. Warren R. Birchall, 547 Pelham road. Stone, two and one-half stories. Consists of general remodeling of interior. Revised plans in progress.

Residence (alt. and add.), Penlynn, Pa. Architects, Thomas, Churchman & Molitor, 1309 Walnut street. Owner, Dr. Joseph Leidy, 1319 Locust street. Stone and frame, three stories, slate roof, electric lighting, hot water heating. Architects taking bids, due December 27. The following are figuring: J. S. Cornell & Son, Land Title Building; Walter Schaeff, Blue Bell P. O., Pa.; J. D. Stackhouse, Ambler, Pa., and Abel Fry, Lansdale, Pa., R. F. D. No. 2.

Residence, Ardmore, Pa. Architects, Evans, Warner & Bigger, Witherspoon Building. Owner, Rowland Evans, 225 South Sixth st. Stone, frame and plaster, two and one-half stories, 30x55 feet, slate roof, electric lighting, hardwood floors. Architects taking bids, due December 27. The following are figuring: H. H. Burrell, 1204 Chancellor street; George & Borst, 277 South Eleventh street; William R. Dougherty, 1608 Sansom street; Metzger & Wells, Heed Building; Gray Brothers, Rosemont, Pa., and George L. Croll, Bryn Mawr, Pa.

School, Twenty-seventh and Clearfield streets. Architect, J. Horace Cook, Land Title Building. Owners, Board of Education, City Hall. Brick and steel, fireproof, three stories and absement, 112x160 feet, slag roof,

electric light, steam heating, limestone and granite, fireproofing, hollow tile, metal lath and cinder concrete, marble interior. Owners taking bids, due December 27, at 2.30 P. M. The following are figuring: H. E. Baton, Tenth and Sansom streets; Charles McCaul Company, Tenth and Sansom streets; Cramp & Co., Denckla Building; J. W. Emery, 1524 Sansom street; B. Ketcham's Son, 1029 Brown street; Mitchell Brothers, 2125 Race street; Sax & Abbott Construction Company, Hale Building; Wayne Contracting Company, 1214 Filbert street; Thomas Reilly, 1616 Thompson street, and H. H. Wehmeyer, 1004 West Lehigh avenue.

Station, Walkerton, Ind. Architect, M. A. Long, Baltimore, Md. Owner, Baltimore & Ohio Railroad Company, Baltimore, Md. Brick, one story, 29x55 feet, tile roof, electric lighting, steam heating. Owners taking bids, due December 31. Irwin & Leighton, 126 North Twelfth street, are figuring.

Natatorium and Stores (alt. and add.), 219 South Broad street. Architect, Walter Smedley, Stephen Girard Building. Owner, W. E. Adams, on premises. Brick, two stories, slag roof (heat and light, reserved). Architect has received bids.

Apartment House, Broad and Thompson streets. Architects, Stuckert & Sloan, Crozer Building. Owners, Kahn & Greenberg, Morris Building. Brick, stone and terra cotta, four stories, 25x160 feet. Slag roof, steam heating, electric lighting, hardwood floors, 8 bath rooms. Architects ready for bids.

Church, Hamilton, Bermuda. Architect, George I. Lovatt, 418 Walnut street. Owners, St. Edward's R. C. Church, Rev. Comeau, Hamilton, Bermuda. Coral stone, one story, tile roof, electric lighting. Plans in progress.

Residence (alts.), Ship Road Station, Chester Valley, Pa. Architects, Wilson Eyre & McIlvaine, 1003 Spruce street. Owner, Francis R. Strawbridge, Eight and Market streets. Stone, two and one-half stories. Consists of general remodeling of the interior. Plans in progress.

Church and Rectory, Camden, N. J., \$120,000. Architect, George I. Lovatt, 418 Walnut street. Owner, St. Joseph's R. C. Church, Camden, N. J. Stone, one story, 84x170 feet. Slate roof, steam heating. Architect will prepare revised plans.

Residence, Greenwich, N. J., \$10,000. Architects, Morris & Erskine, Crozer Building. Owner, Dr. A. H. Goodwin, Greenwich, N. J. Brick, two stories, 62x37 feet. Shingle roof, hot air heating, electric lighting. Owner is taking revised bids.

Factory, Long Island City, N. Y. Architects, Harris & Richards, Drexel Building. Owners, General Vehicle Company, Long Island City, N. Y. Brick and steel, concrete,



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fireproof floors, six stories, 100x328 feet. Slag roof, steam heating, electric lighting. Architects taking bids, due January 9th. The following are figuring: J. E. & A. L. Pennock, Land Title Building, Philadelphia; John H. Deeves & Bro., 103 Park avenue; W. A. La Hommedieu & Co., 1 Madison avenue; George A. Fuller Company, 111 Broadway; Leddy & Moore, 105 West Fortieth street; Turner Construction Company, 11 Broadway; Unit Construction Company, 40 West Thirty-second street; Hennebique Construction Company, 1170 Broadway; Ruggles Robinson Company, 331 Madison avenue; Columbian Concrete Steel Bar Company, all of New York City; the George A. Just Company, 239 Vernon avenue; C. Curtiss Woodruff & Co., 213 Tenth street, both of Long Island City, N. Y.; the Moyer Engineering and Construction Company, 375 Fulton street, Brooklyn, N. Y., and

Cramp & Co., Denekla Building, Philadelphia.

**Factory**, Frankford avenue and Westmoreland street. Architects and engineers, William Steele & Sons, Sixteenth and Arch streets. Owners, C. H. Masland & Sons, Amber and Westmoreland streets. Brick and concrete, four stories, 206x240 feet. Plans in progress. Architects will take sub-bids in one month.

**Flats and Stores (15)**, Fifty-sixth and Lansdowne avenue. Architect, private plans. Owner, George W. Bourne, Locust above Sixty-first street. Brick, two stories. Work about to be started.

**Dormitory**, Byberry, Pa. Architect, Philip H. Johnson, Land Title Building. Owners, City of Philadelphia, care of Dr. Joseph S. Neff, City Hall. Brick, stone and steel, fireproof, two stories. Owners taking bids, due December 31st, at noon. Plans can be obtained at architect's office.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Factory**, Hazelton, Pa. Architects, Ballinger & Perrot, 1211 Arch street. Owner, Jacob Gerhart, Hazleton, Pa. Brick and concrete, two stories, 60x190 feet, electric lighting, slag roof. Contract awarded to H. W. Lamont, Titusville, Pa.

**Residence (alt. and add.)**, 8901 Germantown avenue. \$5,300. Architects, Furness, Evans & Co., Provident Building. Owner, Dr. Norris W. Vaux, on premises. Stone, two stories, slate roof, electric lighting. Contract awarded to George S. Roth & Sons, 230 East Gravers lane, Chestnut Hill, Pa.

**Machine Shop**, Van Kirk street and Delaware avenue. Architects, Peuckert & Wunder, 310 Chestnut street. Owner, National Ammonia Company, on premises. Brick, two stories, 21x40 feet, slag roof. Contract awarded to Haibach Construction Company, Twenty-sixth and Thompson streets.

**Residence (alt. and add.)**, Rosemont, Pa. Architects, Stewardson & Page, 320 Walnut street. Owner, Thomas McKean, Drexel Building. Brick, two and one-half stories, slate roof, electric lighting. Contract awarded to J. S. Cornell & Son, Land Title Building.

**Store Building (fire repairs)**, 61-63 North Second street. Architects, Sauer & Hahn, 1114 Chestnut street. Owner, H. Fliegelman, 36 North Second street. Brick, three stories. Contract awarded to Lam Building Co., 1001 Wood street.

**Residence**, Islesboro, Maine. \$20,000. Architects, Evans, Warner & Bigger, Witherspoon

Building. Owner, Dr. Samuel G. Dixon, 1900 Race street. Stone and frame, two and one-half stories, 40x65 feet, shingle roof, electric lighting, hardwood floors, four bathrooms (heating, reserved). Contract awarded to W. H. Hatch, Islesboro, Maine.

**Store Building (Alts.)**, 607 South Second street. Architect, Clyde S. Adams, 1233 Arch street. Owners, H. Lichtenstein & Son, on premises. Brick, three stories. Consists of Pomeroy Construction Company, 1609 Ransstead street.

**Telephone Exchange**, Erie, Pa. Architect, J. T. Windrim. Owners, Bell Telephone Company of Philadelphia, Thirteenth and Arch streets. Brick, four stories, 39x65 feet. Hollow tile, fireproofing, steam heating, electric lighting. Contract awarded to Henry Shenk Company, Erie, Pa.

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### Permits for New Buildings

H. Rust (O), 2914 Lehigh avenue. L. F. Brown (C), 2421 North Twenty-seventh st. Cost, \$5,000. One dwelling, brick, two stories, 20x25 feet, Twenty-sixth and York streets.

P. J. J. Whelam (O), 1013 Betz Building. Cost, \$10,500. Three stores and dwellings. Brick, three stories, 16x32 feet, 5233 North Fifth street. Cost, \$24,800. Ten dwellings.

F. & L. Davis (O), Thirteenth and Nedro streets. Cost, \$4,000. One dwelling, three stories, 27x32 feet, Medary and Camac streets.

National Ammonia Co. (O), Vankirk street and Delaware avenue. Philip Haibach Contracting Co. (C), 2530 West Thompson st. Cost, \$3,000. Machine shop, brick, two stories, 25x32 feet, Vankirk street and Delaware avenue.

Karl Guckert (O), Ridge and Shawmont avenue. Ed. L. Cuthbertson (C), 334 Roxborough avenue. Cost, \$3,600. One dwelling, brick, two stories, 36x37 feet, Wigand avenue and Ridge avenue. Cost, \$2,500. One stable.

Charles D. Libox (O), 2746 Bridge street. Lewis Ahlers, Jr. (C), 4433 Salmon street. Cost, \$7,000. Moving picture theatre, brick, one story, 42x100 feet, Bridge and Richmond streets.

Charles E. Lammon (O), Bustleton pike. F. E. Heston (C), Churchville, Pa. Cost, \$2,300. One dwelling, frame, three stories, 26x28 feet, Tree and Red Lion road.

### Alterations and Additions

Penn Sugar Company (O), Real Estate Trust Building. Armstrong & Latta Company (C), Land Title Building. Cost, \$1,000. Refinery, 1039 North Delaware avenue.

George O. Haney (O), Oak Lane, Pa. C. L. Hemmerly (C), Oak Lane, Pa. Cost, \$1,775. Garage.

H. M. Henry (O), 636 North Forty-second street. J. F. Knauss (C), 1415 North Fifty-seventh street. Cost, \$500. Dwelling, 927 Belmont avenue.

Stragglers Club (O), 200 South Camac st. Smith-Hardican Company (C), 1606 Cherry street. Cost, \$2,000. Club, 201-203 South Camac street.

Brooke-Stokes & Co., 200 South Fifteenth street. Smith-Hardican Company, 1606 Cherry street. Cost, \$1,000. Offices.

A. L. Tourison (O), 7014 Boyer street. Cost, \$900. Garage, Mt. Pleasant avenue and Anderson street.

N. W. Vaux (O), Germantown avenue. Geo. S. Roth & Sons (C), 230 East Gravers' Lane. Cost, \$5,300. Dwellinv.

Miss Fannie Brown (O), 2035 Pine street. H. H. Burrell (C), 1204 Chancellor street. Cost, \$2,500. Dwelling, 2035 Pine street.

City of Philadelphia, City Hall. M. E. Rodgers (C), 7732 Cottage street. Cost, \$2,700. Kitchen, Byberry Farms, Philadelphia.

M. Eisner (O), 629 North Second street. J. Gorchov (C), 317 Reed street. Cost, \$1,525. Store and dwelling.

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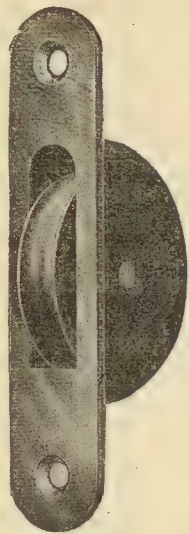
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J. A. Patterson & Co. (O), 130 South Fif-  
teenth street. H. E. Grau Company (C),  
1707 Sansom street. Cost, \$700. Store, 128  
South Fifteenth street.

Dr. T. Keff (O), 926 South Sixtieth street.  
Charles C. Pace (C), 1s16 Sansom street.  
Cost, \$650. Garage, Sixtieth and Washington  
avenue.

Gulf Refining Company (O), Fifty-eighth  
and Schuylkill avenue. Joseph Louderback  
(C), 2427 South Edgewood street. Cost, \$1,  
100. Garage, Fifty-eighth and Botanic ave-  
nue.

Rose & Sons (O), 3323 Chestnut street. F.  
E. Bland (C), 252 North Fifteenth street.  
Cost, \$550. Moving Picture Theatre.

William McIntyre (O), 4080 Lancaster ave-  
nue. D. F. Hoover (C), 664 Preston street.  
Cost, \$430. Dwelling, 628 North Forty-fifth  
street.

L. Hutler (O), 1422 Allegheny avenue. E.  
C. Durell (C), 1713 North Twenty-fourth  
street. Cost, \$800. Dwelling, 1307 Winter  
street.

Samuel Hammer (O), 2340 South Tenth  
street. N. Leitman (C), 2332 South Tenth  
street. Cost, \$750. Store and dwelling, 817  
Porter street.

Oscar M. Preston (O), 701 East Girard ave-  
nue. Harry Drake (C), 3139 Frankford ave-  
nue. Cost, \$1,000. Factory, 707 East Girard  
avenue.

Scott Paper Co. (O), Seventh street and  
Glenwood avenue. Stewart Bros. (C), 2529  
Orkney street. Cost, \$400. Mill.

Samuel Miller (O), 5227 Woodland avenue.  
M. J. Lazaroff (C), 1418 South Sixth street.  
Cost, \$950. Store and dwelling, 5229 Wood-  
land avenue.

J. A. Leeds (O), 607 West Upsal street.  
Carvan Construction Company (C), 5143 Ir-  
wing street. Cost, \$600. Garage, Horter  
street and Wayne avenue.

W. R. Taylor (O), Lincoln Drive. E. A.  
Carroll (C), 700 North Sixty-third street.  
Cost, \$500. Garage, Lincoln drive and West-  
view street.

Mrs. A. Richardson (O), 79 West Sharp-  
nack street. Kriebel & Co. (C), 826 Spring  
Garden street. Cost, \$950. Residence.

J. Rabinowitz (O), 731 South Second  
street. Vankin and Harad (C), 813 Ritner  
street. Cost, \$600. Store.

### FOURTEEN MISTAKES.

To attempt to set up our own standard of  
right and wrong, and expect everybody to  
conform to it.

To try to measure the enjoyment of others  
by our own.

To expect uniformity of opinion in this  
world.

To look for judgment and experience in  
youth.

To endeavor to mold all dispositions alike.

Not to yield in unimportant trifles.

To look for perfection in our own actions.

To worry ourselves and others about what  
cannot be remedied.

Not to alleviate, if we can, all that needs  
alleviation.

Not to make allowances for the weakness of  
others.

To consider anything impossible that we  
cannot ourselves perform.

To believe only what our finite minds can  
grasp.

To live as if the moment, the time, the day,  
were unimportant.

To estimate people by some outside quality,  
when it is something within which makes the  
man.—Ex.

Most people fail to be original because they  
fear to be.—Ex.

### THE UNIVERSAL DREAM.

I have longed to own an island which would  
be completely my land,

Where I'd build a humble shelter in a cool  
and quiet spot;

Fearless of the wild, wild berries, I would  
live on fish and cherries,

And the simple, vineclad natives wouldn't  
trouble me a lot.

There with birds and beasts for neighbors and  
a living for my labors,

I would live in peace and plenty, happy as  
a hearthstone cat,

With no thought of rush and hurry and no  
thought of care and worry—

Yet I keep right on abiding in my twenty  
dollar flat.

Now, the funny thing about it is that though  
they may not shout it,

Every other dreamy fellow on this jack-o'-  
lantern world

Feels this same desire and yearning and this  
wish for freedom burning

From dissensions and conventions (of all  
kinds) in which he's whirled.

Yet in every mighty river, lake and ocean  
we'd diskiver

If we'd seek 'em hosts of little isles which  
wait our habitats,

Where we all could raise our pennants unop-  
posed—the only tenants—

But we all keep right on living in our twen-  
ty dollar flats.

—"Kansas City Star."

### CONTENTED.

Living is great,

And the world is immense,

To the man who will view it

With wisdom and sense.

There is so much to laugh at

And so much to cheer,

That every one ought to be

Glad he is here.



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**THE FRANKLIN PAPER CO., Inc., 718-720 Cherry Street, Phila.***Distributing Agents***AMERICAN INSTITUTE CONVENTION**

**Important Business Considered at the Annual Gathering of American Architects—Officers for 1913—Horace Wells Sellers of Philadelphia Chosen Fellow of the Institute.**

At the forty-sixth annual convention of the American Institute of Architects, held in Washington last week, the following officers were elected to serve for 1913:

President, Walter Cook, New York, re-elected; first vice-president, Clipston Sturgis, Boston, re-elected; second vice-president, Frank C. Baldwin, Fredericksburg, Va., re-elected; secretary and treasurer, Glenn Brown, Washington, re-elected. Director—Burt L. Fenner, New York, elected; C. Grant LaFarge, New York, elected; H. Van Buren Magonigle, New York, elected. Auditor, Robert Stead, Washington.

The election of Fellows—members of the Institute who, in the opinion of an authorized jury, shall have notably contributed to the advancement of the profession—resulted in the selection of the following gentlemen:

William D. Austin, Boston, Mass.; W. Dominick Benes, Cleveland, O.; Henry Clay Carrel, New York City; Walter B. Chambers, New York City; Clinton Day, San Francisco, Cal.; William Adams Delano, New York City; L. C. Holden, New York City; Walter G. Peter, Washington, D. C.; Arthur Wallace Rice, Boston, Mass.; Charles A. Rich, New York City; Horace Wells Sellers, Philadelphia; Frank E. Wallis, New York City; Arthur F. Woltersdorf, Chicago, Ill.

The business of the convention was of exceptional importance, as may be gathered from a list of the papers and reports presented:

**Reports of Standing Committees:**

1—On Contracts and Specifications, Grosvenor Atterbury, chairman.

2—On Allied Arts, Thomas R. Kimball, chairman.

3—On Government Architecture, M. B. Medary, Jr., chairman.

4—On Education, Ralph Adams Cram, chairman.

5—On Competitions, Frank Miles Day, chairman.

6—And Report of the Committee appointed by the Chair to "Consider the Reports of Standing Committees."

**Reports of Special Committees:**

7—On Electrical Code and Fire Protection, C. H. Blackall.

8—On Town Planning, A. W. Brunner, chairman.

9—On Legislation, L. C. Holden, chairman.

10—On Public Information, D. Knickerbacker Boyd, chairman.

11—To Confer with the National Association of Master Plumbers, D. Everett Ward, chairman.

12—And Report of the Committee appointed by the Chair to "Consider the Report of Special Committees."

13—Talk on the Proper Co-operation Between the Architects and the National Fire Protection Association, Franklin H. Wentworth.

**Papers:**

14—Recent Tendencies in Sculpture, by Lorado Taft.

15—Animal Sculpture and Its Relation to Buildings and Parks, by A. Phimister Proctor.

16—The Relations of Sculpture to Buildings and Parks, by Herbert Adams.

17—Mural Painting, by E. H. Blashfield.

18—Mural Painting, by C. H. Walker.

19—Park Treatment and Its Relation to the Architecture, by Arthur Shurtleff.

President Cook's address was of such broad general interest that extracts are here given, together with the report of the committee appointed to consider it.

**President Cook's Address.**

"The one thing that stands out in the history of the Institute is the constantly increasing interest of our members in its aims and its aspirations, and the constantly increasing unity in their views as to the best means of attaining these. Our one purpose is the encouragement of the best architecture, in every sense of the word; any advantage to the architects themselves—the improvement of their position in the community or of their material interests—follows as a matter of course; but this is not first in our minds. During the year which is nearly at an end a great deal has been accomplished, especially in furthering that education of the public towards a correct understanding of what we seek, which is our first and most pressing necessity.

"If the results of these efforts of ours have come but slowly, it is perhaps in part our own fault, for astonishing as it may seem,

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this public, or the best part of it, has listened to us with interest and good will, and in the great majority of instances has recognized the force of our arguments and the truth of what we have advanced. One example of this, and the most important one, perhaps, has been the conduct of the competition for the Capitol of the State of Missouri. Beginning as it did with certain conditions laid aside, which were, we believe, not for the best interests of the State, the Capitol Commission invited a delegation of the Institute, which had called its attention to these conditions, to visit them and confer with them. This conference was a most satisfactory one, and the result was a competition for this great public building conducted in a manner which was eminently judicious, and which bids fair to add one more to our great and beautiful monuments. And recently the Capitol Board has sent its thanks to the committee of the Institute whose members advised with them. Certainly all our thanks are due to these enlightened gentlemen for the aid they have given to good art, and for the example they furnished to our whole country. And this is only one—the most prominent, it is true—of many such incidents in affairs great and small, which go to prove that, after all, our countrymen are broadminded and patriotic and only need to have the truth shown them.

"Unfortunately we have to record one experience of a quite different nature. The Tarsney Act, authorizing the designing of our Government buildings by architects, has been repealed; and for the moment these great monuments of our country have been handed over to an official factory, to be turned out by the yard; for, whatever the talent and the ability of the Supervising Architect of the Treasury, this is what must of necessity result. Nothing of this sort has ever happened in any civilized country, so far as I know, unless our own unhappy experiment of years ago may be considered an exception. It is quite unnecessary for me to speak of the so-called arguments which were employed in urging this repeal—the plea of an economy which has, we believe, been shown not to exist, and certain others, which displayed such an almost ludicrous ignorance of the whole subject that we can but shrug our shoulders and say with Figaro that we hasten to laugh lest we be obliged to



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weep. But if any of our special guests of this year—sculptors, painters or authors—are unacquainted with them, we hope they will without delay read certain of the official documents which have been published, for they will find them most delectable. And they will certainly appreciate the logical sequence of this repeal—the establishment shortly of a special department of the Government for the manufacture of all sculpture and decorative paintings, followed rapidly by still another, whose duty shall be to turn out all odes, sonnets or lyric verse which may be needed to celebrate the achievements of our enlightened Republic.

“However, we are hopeful and optimistic; have faith in the sober second thoughts of our representatives in Congress, and we look forward with confidence to legislation in the near future which will not simply re-enact the Tarsney Act—for it had its imperfections—but will give us something even better for our country and its art.

“All of our experiences, be they victories or defeats, only serve to accentuate the need of which I have already spoken—the need to do all we can to enlighten our fellow-citizens in those matters which are our special province; to awaken their interest and better their understanding of what we do and how we do it. And the Institute during the past year has given its best attention to this subject. It has established its own special organ in the Journal, the first number of which is before you, and for which I bespeak your earnest support, and its new Committee on Public Information has done good and faithful work, which will, I feel assured, result in much good.

“And here I wish to thank the earnest and hardworking members of the various committees to whom the affairs of the Institute have been entrusted, and to whom all of us are so much indebted. Nothing has more impressed me than the disinterested devotion to our common cause of so many busy men, who have willingly sacrificed for it their time and given to it their best service. I trust all our members will realize this, and that all will be eager and willing to add their own efforts whenever the occasion demands it. Our growing influence and power in the community rest upon this—that we all work together for the good cause.

“As for the architectural work of our

country and our time, to which we are devoting our lives, it moves on apace. Every day sees new and important buildings, and we admire and blame and criticize as the mood is upon us. It is very hard for us, who are so much in the thick of the battle, to see clearly and to give any calm-minded good fortune to talk with two fellow-architects of acknowledged eminence from across the water. Their verdict was one of enthusiastic praise for our achievements, and they made comparisons between what we are doing here and what is done in other countries, which were most flattering for us. So I think we are justified in some self-congratulation.”

### Report of Committee on President's Address.

“The President in his address makes the comment that the significant fact in the history of the Institute is the constantly increasing interest of its members in its aims and aspirations, and the constantly increasing unity in their views as to the best means of attaining these. The status of the architectural profession is still ill-defined in many parts of the United States. The issues with which the architects have had to reckon are complex and are rooted in stubborn conditions. Environments most various have wrought upon the ideas and the ideals of the architects themselves. It would be difficult to exaggerate the untoward character of some of these environments. Some of us—perhaps most of us—have been so closely involved in puzzling and trying situations that we have failed to see the entire field in its proper perspective and some of us have been prone to take a somewhat pessimistic view of the immediate outlook for the profession. It is therefore a cause for congratulation to the Institute that its President, a man of wide experience, high ideals and singularly temperate mind, has been enabled, amid all the perplexing questions with which the board has had to deal, so to preserve his sense of proportion and his wise optimism that he can deliberately affirm the constantly increasing interest of the members in the aims and aspirations of the Institute and, through all the divergencies of opinions, can note a constantly increasing unity in the views of the members as to the best means of carrying out the high purpose of the Institute.

“Your committee believes that the President stands on firm ground when he asserts that, during the past year, marked progress has been made in educating the public toward a correct understanding of what we seek. But in this connection your committee cannot forbear to lay still further emphasis on the fundamental truth that a genuine solidarity of opinion in the profession itself as to professional ideals is an indispensable prerequisite to a proper recognition of status in the eyes of the public. The architects must themselves analyze and decide questions of ethics as between one another and as between themselves and the public with dispassionate forethought and with an

eye single to the highest interests of the profession and of the entire community. The first step toward the education of the community by the architects must be the education of the architects themselves.

“The poise of mind of your President is equally in evidence in his reference to the repeal of the Tarsney Act, which he treats as a disagreeable episode to be viewed philosophically rather than as a tragic finality calling for fierce invective. Viewed largely, man and his governments and institutions are but a passing show; and, if the tides of a democracy are sometimes destructive, we do well to remind ourselves that only in a society capable of change is there the possibility of progress. A generation of new law-makers—like a generation of new children—has newly to be educated. The Institute's work is cut out for it. It hardly requires that we recommend a resolution instructing the President and the Board of Directors to take action in the premises. We venture to usurp the authority of this convention and to advise the President and the Board of Directors that it is the sense of the Institute that the President and the Board of Directors should, at the earliest time, take steps to prepare or to cause to be prepared and in due time to submit to the proper Congressional committees a bill for an act that shall not only replace the Tarsney Act, but shall—as your President has said—‘give us something even better for our country and its art.’ Respectfully submitted,

“THOMAS M. KELLOGG,  
H. VAN BUREN MOGONIGLE,  
ALLAN B. POND, Chairman.”

### FIREPROOF BUILDING.

Down town in almost every city, one will find blocks of old buildings filled with dry timber and inflammable materials. They are fire breeders as well as fire spreaders.

While it is economically possible at one swoop to tear these all down and replace them with modern fire-resisting construction, yet one great step toward reduction of the fire hazard—and a step quite feasible—would be the passage of ordinances providing that all changes must be of a fire-resisting nature. Only non-combustible material should be allowed to go into an old building for alterations. Whenever new floors or partitions are needed, they should be made of concrete, tile, metal, or some other material that will lessen the fire risk. It is easily possible to remodel old buildings, using the walls and framework, so as to make them practically fireproof within, by the use of such materials for floors and partitions. The building thus protected commands a better class of tenants and higher rentals; while the saving in insurance cost gives a good return on the investment, to say nothing of the owner's responsibility for the life and property of his tenants and his obligation to do his share to reduce the fire waste of the country.—“Cement World.”



## DECORATIVE METAL WORK

By Edward W. Gregory

An English architect of domestic buildings has complained that public interest in the arts has recently tended more and more to concern itself with what he described as "by-products." He meant that decorative sculpture, metal work, woodwork, furniture, wall papers, carpets, pictures and so on were receiving an undue amount of attention, that in reality they were only subsidiary arts whose very existence depended upon architecture, and that people were making the mistake of paying more attention to ornamental effect than constructional value. Without being in agreement with the complaint—for English domestic architecture has been most persistently studied by cultured people of late years—one is bound to admit that those arts in which the instinct for decorative fancy is accorded freer expression than in building have always a very wide attraction.

On the whole, houses have been getting plainer in appearance and simpler in designs, and the tendency has been to reduce ornament to a minimum. Now the deep-seated human instinct for ornamental forms is bound to find outlet somewhere, and it has confined itself very largely to the embellishment of utilitarian accessories, or rather to the design of such accessories, so that they possess an ornamental value. Among the crafts which have been specially affected is metal work. Now during the period roughly known as the Victorian, a period in which the development and increase of knowledge of metals was exemplified almost entirely by a quick succession of mechanical inventions, all the metal work used constructionally in houses was either concealed or exhibited as a mechanical improvement. Here are instances. The whole cunning of the builder, when he came to put hinges on the doors, was employed to hide them. He saw no reason whatever for their being seen. They were to him a regrettable necessity. So in houses built about thirty or forty years ago every hinge is found sunk and countersunk into the wood. Locks were also sunk into the thickness of the doors, or so put on as to conceal a most elaborate mechanism for doing no more important thing than to keep the door closed. Metal work, which was frankly exhibited in the house, may be exemplified by the always too elaborate gas brackets and chandeliers, which seemed put there to advertise the im-

portant discovery of a new illuminant. Iron grates, stoves, fenders and fire-irons were also demonstrations of new and cheaper methods of casting.

Craftsmen had not at that time arrived at the point where the necessary metal work of the house was made the vehicle for decorative expression without interfering with its usefulness. They seemed either proud of a new invention and showed it up in all its glory, or ashamed of a necessity which they strove to hide. Recent practice in metal working has undoubtedly tended to a very much more restrained use of materials. Our fire grates have become simpler and simpler, metal work being entirely absent from them in many instances, with the exception of such homely necessities as the poker and coal scuttle. Hinges, lock-plates and handles avow themselves for what they are and perform their duties without undue ostentation. The mechanics of metal working, so fascinating to the inventors of the last century, has given place to the art of metal working, and, of course, the points of view are entirely different, though not necessarily opposed. The mechanic will allow nothing to interfere with the amusement of his latest dodge for doing something simple in the most elaborate possible way—vide the ordinary door latch of commerce—while the artist is concerned with form and proportion in the making of a useful article to perform a simple duty.

Among artist in England who have demonstrated to the fullest extent the possibilities for the imaginative treatment of useful articles in metal work, Mr. Alexander Fisher must be accorded among the most gifted. He has probably carried the craftsmanship of metal working with its decoration of enamel to a higher point than any of his contemporaries. Extremely broad in his artistic sympathies, he has been able to retain in his art individual character without cultivating mannerism. In an interview with the writer he remarked:

"I see no reason why I should not interpret my art in the widest and most liberal manner of which I am capable. People talk of convention—that this, that or the other is conventional. What, after all, is convention? Simply fashion. We find, according to the dictionary, that a conventional thing is something which is 'sanctioned and currently accepted by tacit agreement.' To put it plainly,

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you wear a hat, not because it is the best possible hat, but because it is the generally accepted thing. Now, why, in the name of all that is wonderful, should a man limit the interpretation of his art to the boundaries of the conventional? To do so leads ultimately to the negation of all art—certainly to the destruction of individuality."

The point of view thus expressed accounts in some degree for the originality of Mr. Fisher's work. Before commencing he appears to get down to the bed-rock of things, where ideas are on the eve of being crystallized into forms. He does not accept other people's crystallization. He does not make a handle or door knocker of a particular form because such a shape has been accepted by the world as the most satisfac-





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tory. He invents his own form from careful consideration of the underlying idea which calls it into existence. Having once decided on this he carries the execution to the very highest possible point to which he can attain, losing no opportunity of decorative enrichment where it can be employed without sacrifice of the main lines of the idea or the usefulness of the object. As a case in point, let us examine the hand mirror in cast silver, wrought and chased, of which a photograph is given. The form is developed from the female figure which supports the glass, and the figure itself was obtained in the simplest and most direct method imaginable. Taking a piece of modeling clay in the right hand, Mr. Fisher squeezed it in a gentle grip. The clay, of course, yielded, and when the pressure was relaxed, a perfectly

comfortable handle resulted. This gave fitness of form in the rough. Without disturbing the main shape into which the lump of clay had thus naturally resolved itself, the artist skilfully persuaded it to take the form of a figure as completed. The hair was turned up into a support for the glass which would otherwise have been dependent upon too insecure a support.

Another instance of the gradual development of an idea into the concrete is to be found in an electric light bracket in metal and enamel. It represents a peacock with spreading tail over the figure of a wart hog coming forward between projecting arms supporting the two lights. The idea was suggested to Mr. Fisher by an old saying of the Persians that when the stars come out "the peacock has spread his tail." It is eloquent of the triumph of light over darkness, and expresses the thought that only when the sun has departed and darkness descended on the earth is the radiance of the heavens revealed. The bronze wart-hog Mr. Fisher has used as symbolical of ugliness and darkness, the peacock as emblematical of beauty and light. A mediaeval story says that in the beginning, on the seventh day, the animals of the earth passed in procession before their Maker, and when the peacock appeared the Creator smiled. The beauty and glory of the Creator's smile have been reflected in the splendor of this beautiful bird ever since, so runs the legend. Mr. Fisher further expressed the germinal idea contained in the electrical light bracket by the verse which is letter in repousse on each side of the lights:

"Revealed all things shall some time be  
For Living Eyes that yearn to see;

As Black Night spreads her wondrous tail  
The Dark shall flee and Light prevail."

The body of the peacock is in silver enameled; the transparent light-containers are in plique a jour translucent enamel, and the main shield is in steel and bronze, with the eyes of the tail in blue enamel. In plique a jour enamel, a sheet of metal is fretted away according to the design and the pierced portions are glazed with enamel, the light shining through in the same way as through a stained glass window. The effect is little short of marvelous, and there is extremely little of it done. The Japanese, who in certain kinds of enamel have achieved results of remarkable executive neatness, have done nothing whatever in plique a jour or other forms of enamel in which Mr. Fisher is a master.

The triptych in silver and enamel was inspired by Edgar Allan Poe's "Eldorado," and the whole of the poem is found in lettering under the translucent enamel panels. The circular table mirror is in bronze, cast and wrought, and the table fountain, which should really be seen in operation for the beauties of the design to be appreciated, is in wrought silver with crystal columns.

Too much stress can scarcely be laid upon the difference between craftsman's metal work and that which is turned out under ordinary commercial conditions. As we have seen, Mr. Fisher's work is that of a craftsman who originates the forms he makes with his own hands. Now many of the large shops in London calling themselves silversmiths or coppersmiths or "art" metal workers have in reality no factory, no workshops at all. They get their work done outside by small individual workers who are chained hand and foot to the commercial machine. The big shops thus save themselves a large outlay in plant and other contingent expenditure, and the craftsmen have to be content to make objects to the details of designs provided by draughtsmen. Among recently organized genuine metal working industries, the Albany Forge, at Shepherd's Bush, London, has turned out some interesting gates, grilles, balconies, etc. The work with which they specially associate themselves is wrought bronze, a metal of which very few examples indeed are to be found in England. One of the properties of this metal is the permanence of its color, which will remain unchanged for generations. It is thus particularly suitable for the decoration of buildings in the smoke-laden atmosphere of London, and in other places where there is much contamination of the atmosphere. It is enormously strong and is certainly richer in appearance than wrought iron. An indication of the technical skill of the craftsmen of the Albany Forge is to be found in the interesting fact that they have made many suits of armor in steel copied exactly from old examples. Here, of course, a question of artistic morality comes in. What are these suits of armor for? The joust is a spectacle of the past, and no longer do English knights go to war armed cap-a-



pie. Then is this armor for the antique dealer to palm off upon the unsuspecting collector? Or is it made purely as a decorative accessory? If the last proposition is the true one, is it good art to copy a suit of armor which only had significance and utility in the Middle Ages, merely to produce an entertaining ornament in our own time? Now, whatever you may feel about this particular question, the point of view of the man who buys modern armor made to look like old is this. He says: "I have bought an old Tudor house. I am having tapestry on the walls of the great hall. Fifteenth and sixteenth century coffer and chests stand here and there. I have had a long fifteenth century table, such as those at Haddon and Penshurst; I am engaged in decorating my house, you understand, not making a collection. Now, why, in the name of common sense, should I not complete my picturesque interior by having two or three suits of armor, even though I know them to be copies, even though they may never have been through the press of knights in the tournament? I do not deceive myself, nor do I deceive my friends. I cannot get genuine old armor, for the very simple reason that there are not enough suits to go round."

Leaving the matter to the artistic conscience of each individual, it may be remarked that in every respect—as far as constructive utility goes—these modern suits of armor are as good as the old ones. Some have the engraved decorations done by hand in the same way as the old ones were ornamented, though occasionally the design is bitten in by acid.

A review of recent metal work by English craftsmen would not be complete without reference to lead, which has of late become more popular for external decorative details. A fountain of rather uncommon form, the work of Mr. George Bankart, shown here, indicates to some extent the decorative possibilities of the material. It may be interesting to explain it is not uncommon for old lead figures—found often on the terraces of old formal gardens—exposed to the sun, to sink considerably, partly with their weight and partly with the heat. Hence, in modeling figures to be cast in this metal, care must be taken to make them coherent and self-contained. Projections, such as outstretched arms and legs, are almost certain to subside in time, when it is extremely difficult to avoid having to put ugly supports to keep them in position. Many an old lead figure has become distorted in this way, particularly in cases where the modeling has not in the first place been done with the idea of having it cast in lead. These considerations do not apply with such force where the execution of an object like the fountain referred to is taken in hand, or where lead is to be applied to a structure in the form of decorative sheets, but it is necessary to see that there is the strongest support or warping will undoubtedly take place. In the West End of London have been seen a few examples of lead window boxes, which are an enormous improvement upon the gar-

ish tile paneled receptacles only too common. The artistic fault to be found with the latter is that the brilliant hues of Persian and other tiles compete distressingly with the natural flowers. Lead is a perfect contrast and, if a little relief is desired, small enrichments in gold leaf can be judiciously applied.

Mr. George P. Bankart's recent work includes many rain-water heads of uncommon design. Sometimes these are fairly large, owing to the necessity for connecting pipes above and below which do not coincide in line, and the treatment of an angle head frequently gives an opportunity for special decorative enrichment. In a memorial tablet the shields at the corners were colored in brilliant tints correctly repeating those of the coat-of-arms of the family for whom the work was done. Gold leaf has also been employed here and there. Flower pots and urns for garden terraces are as interesting in lead as the window boxes already referred to, and fountains and fonts are subjects in which the lead workers find scope for original treatment. The very consistency of lead, its weight and malleability suggest forms which in other metals would appear crude and lacking in purity of outline. But this limitation enables the craftsman to invest his work with character. It is his art to take advantage of the elemental looseness and softness of the material, acknowledging it always, and producing objects which could not be made in iron, brass or copper without offending against the true craftsman's law of harmony between material and its use.

The day when metal work was regarded as beginning and ending in the hammering of a piece of sheet metal is ended.—"House Beautiful."

### NEW-MODEL FIRE TOWERS.

#### The New Candler Building Has One With Reinforced Concrete Balconies.

The Candler Building, which is under construction in Forty-second street, west of Broadway, has a fire tower constructed on the Philadelphia principle, remarks the New York "Record and Guide." As far to the south as one can see the great cream-colored building over the tops of ordinary skyscrapers, the reinforced concrete balconies of the fire-towers are visible, built in the corner formed by the walls of the main building and the wing, which extends back to Forty-first street.

Entrance to the tower is from the outside of the building by means of the balconies. The tower consists of a staircase enclosed by four brick walls that cut it off entirely from the interior of the floors. In an emergency this would be a refuge from both smoke and flame, as well as a safe exit to the ground.

In addition to this unusual device there is an interior fireproof staircase and a battery of elevator for each end of the building, so that there are four separate means of exit

from the building. There is also an automatic sprinkler system, and any tenant so desiring could erect a firewall to divide the main building from the wing.

Since the fire in the Asche Building a number of fire-towers of the Philadelphia type have been erected here. A theatre which was opened a fortnight ago is provided with one and several factories have towers that contain the essential principles of the Philadelphia type, but few if any office buildings can compare with the Candler Building in all its fire-protection features.

With theatres on all sides of it, the Candler Building can be seen from miles around, as it is twenty-four stories high. All four sides of the main building are treated with cream-colored terra cotta ashler and ornament carried to the roof line—a beautiful building, as business buildings go. No manufacturing will be permitted in it, and the leases will carefully define just what is meant by the term "manufacturing." Asa G. Candler, of Atlanta, the owner, has had wide experience in erecting successful buildings in various parts of the country. In this instance he has had the co-operation of O. D. & H. V. Dike, agents; Willouer, Shape & Bready, architects, and the Cauldwell-Wingate Company, builders. To these he gave the fullest discretion and confidence. Every dollar paid for the construction passed through the hands of the Messrs. Dike.

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# Editorial Comment

It was Mr. Joseph Pennell, who, fresh from European wanderings, in which he came into contact with all that Europe holds best in its architecture, was moved to expressions of agreeable astonishment at the excellence of American structural design. There was no disputing Mr. Pennell's qualifications to sit in judgment. An artist, illustrator and etcher of the first rank, a trained observer, a traveler familiar with every highway and byway of the Old World and one schooled to correct principles of design, Mr. Pennell was in the position of being able to discuss ex cathedra, as it were, any question involving artistic values, relative or otherwise. Now happens along another notable critic, this time a German, who finds the American skyscraper the most imposing thing, architecturally, since the Middle Ages. But suppose we let Dr. Walter Rathenau, the critic in question, speak for himself.

Dr. Rathenau, who is the son and heir of Privy Councillor Rathenau, the head of the German Electric Corporation, warmly favors a revision of the Berlin building laws, so as to permit the construction of tall buildings on the American plan. He pillories the present laws limiting their height to five or six stories with a maximum altitude of 79½ feet as archaic. He declares they are designed to depopulate Berlin by compelling business men requiring adequate office facilities to move into the suburban regions.

"I have repeatedly told the Burgomasters of Berlin," writes Dr. Rathenau, that our only salvation is to build a second Berlin on top of the present Berlin. It will not be necessary to construct 'cloud scratchers' all over town, but only in the segregated business district, and thereby create a 'city' on the model of London's famous financial region or the Wall Street area in New York. Aesthetic reasons are commonly advanced in Germany against the skyscraper. Let artists decide on that. To my mind, there is nothing more magnificent in the world than the glimpse an incoming ocean passenger gets of New York for the first time.

"New constructions and ideas in architecture have been developed there. We shall be deficient until we have learned to appreciate and permit them."

Dr. Rathenau ranks as one of the closest personal intimates of the Kaiser, and it is quite probable that the Emperor may be induced, through him, to give his all-powerful assent to the introduction of the skyscraper into Berlin.

The issue of January 8, 1913, will present "The Guide's" Annual Real Estate and Building Statistics Special Number, a feature that is of interest to men engaged in various lines of structural and financial activity. The demand for space in the advertis-

ing pages of this number is such that firms desiring representation should arrange for same without delay. The number will be one of the best specials in "The Guide's" history, and should carry the business announcements of all firms who want to bring their wares to the attention of the "live wire" element in building, architectural and financial circles. Firms wishing space in this number should call Spruce 6612 without delay, the amount of space to be devoted to advertising being limited. In the matter of choice position the usual rule obtains, viz., first come first served. The moral is to get in early and avoid the rush.

\* \* \*

Now that Christmas is out of the way, the question of the Presidency settled, and things getting back to normal generally, let us look forward to plans for 1913. The consensus of opinion is that there will be little or no tariff-tinkering in any drastic sense, that the new administration will be of the "safe and sane" variety, and that the coming year will prove a great one for all staple lines of business. To get your share of this prosperity, Mr. Manufacturer, you want a standing "ad" in the trade paper which covers the field in which you are interested. If this field is one in which the attention of men in the building trades is a desideratum, "The Guide" is your medium. "The Guide" reaches every architect, builder, building manager, building owner, engineer and contractor of any consequence in the Eastern and Southern States. That it gets results for its advertisers is proved by the steady growth of its advertising patronage during 1912, a growth showing a gain of nearly 36 per cent. in new business.

\* \* \*

The Candler Building, now nearing completion in New York City, represents a novel idea in skyscraper construction. Located in the middle of a block, one of the problems confronting the architects, Messrs. Willauer, Shape & Brady, was how to get sufficient light for the offices in the upper floors. This problem they solved by building a five-story wing twenty-five feet in width each side of the main structure, which is about twenty-five stories in height. These wings insure twenty-five feet of lighting space on either side to every floor above the fifth, a solution that will make available for buildings of this type lots of a kind heretofore regarded as unadapted.

\* \* \*

"A certain humorist," says "The Pine Cone," "was invited to give a lecture in a town where all public meetings were held in the church. Possibly it was the first lecture of the kind the people of that vicinity ever had heard.

"The audience sat in stony silence, unaf-



feeted by the lash of his wit, unmoved by his merriest sallies. At the conclusion of the lecture the disheartened speaker asked the chairman what was wrong.

"'Nothing,' was the reply, accompanied by a grin, 'but do you know I came mighty near bursting right out laughing.'

"That is the attitude of some readers. They are responsive to the arguments of the editor, and some times come 'mighty near' saying they approve or disapprove of something that is said, but exercise admirable self-restraint, which is not appreciated by the editor, who is laboring to bring a response from his readers.

"When you see something in 'The Pine Cone' that you like, or something that you do not like, when you do not see the thing you want to see, just 'burst right out' and ask about it."

In the course of an editorial comment last week upon the relation of the architect and engineer to the work of city planning, we stated that an article on this topic appeared elsewhere in "The Guide." That Burns was right when he said

"The best-laid plans o' mice and men  
Gang aft agley"

is proved by the circumstance that in making up last week's number this article was omitted. By way of amends the article appears in this number.

### MORE OR LESS PERSONAL.

Architects Mellor & Meigs, formerly of the Lafayette Building, Philadelphia, have moved their offices to their own building at 201 South Juniper street, where they will occupy a handsomely fitted building.

### A MODERN SUPPLY YARD.

J. J. Fitzgerald & Co. announce to the trade, the removal of their offices from 14 South Broad street to Second and Butler streets. Their entire business will, hereafter, be conducted from their new headquarters, which is the most complete and best stocked yard in Philadelphia, where they carry a full line of sewer pipe, flue lining, wall coping, sewer and paving brick, fire brick, clay and sand, terra cotta wall coping and raggle block.

Deliveries will be made promptly by means of a large automobile truck, procured for this purpose.

We know lots of men who have made money without the aid of advertising, but—they haven't made it since 1876.

As the old year slowly dies,  
Join the great, the good, the wise—  
Fortune holds for each a prize.  
Get your move on—Advertise!

Play-it-on-a-hunch advertising is not the kind that wins out. The steady, persistently repeated note of appeal is what tells.—Cement World.

## Trade News and Gossip

Cullings from the Week's News with a Special Interest for Men Engaged in the Structural Industries—What is Happening in Trade and Architectural Circles.

\*\*The city of Leipzig, Germany, will be the scene of an International Building Exhibition in 1913, which will last from May to October. The area to be covered will be larger than that of the last World Exposition held in Brussels, Belgium.

\*\*The State Highway Department of Pennsylvania has adopted several types of construction as standard for its new system of highways. These include asphaltic macadam, asphaltic concrete on Telford and on concrete base, brick pavement and concrete roadway. It is expected that the asphaltic macadam and asphaltic concrete types of construction will be employed on the bulk of the street system. In the vicinity of towns or on sections of the State roads extending through towns, brick pavements or concrete pavements may be selected. Standard plans and specifications have been prepared by the chief engineer, covering all kinds of roads which the department proposes to build, and the accompanying drawing shows the several typical cross-sections of highway as adopted by the department. A standard width of sixteen feet has been selected for all of the State highways.

\*\*Property is burning up at a rate of \$30,000 worth per hour on this continent. Insurance companies only distribute the fire losses, and must collect in premiums the amount necessary. The greater the fire loss, the more they must collect. The more the people are assessed to pay for the fire loss, the less they have to spend for other things. Just as whatever is wasted in the home makes the struggle of the family harder, so whatever is wasted in a nation makes it harder for its people to live.

\*\*Those who have studied the problem of fire protection for workers and property in factory and other industrial buildings are unanimously agreed that its chief essentials are as follows: Fireproof or slow-burning constructions, elimination of vertical openings, restrictions of large areas by fire walls, protection of window openings by metal sash and wire glass and installation of automatic sprinklers.

\*\*The annual convention of the Iowa Association of Cement Users will be held in Mason City, Iowa, January 7-9, 1913. No show will be held, but the program will include a trip for delegates and visitors through the mills of the Lehigh and the Northwestern States Portland Cement Companies in Mason City.

\*\*William H. Goodyear's latest book,

"Greek Refinements," is announced as ready for distribution by the Yale University Press, New Haven. To architects and archaeologists the book is believed to be indispensable on account of its exhaustive treatment and scientific spirit and because it is the only extant general work on the subject. This volume is also a necessary preface to the author's work on mediaeval refinements, the first volume of which is in a forward state of preparation. The type page is 6x9 inches, printed on cameo plate paper. The illustrations include 119 subjects. Mr. Goodyear is Curator of the Brooklyn Museum of Fine Arts.

\*\*The Dinner Meeting of the American Institute of Consulting Engineers was postponed from December 12 until the 18th inst. on account of the death of Alfred P. Boller, the president. The dinner will be held at the Engineer's Club, 32 West Fortieth street.

\*\*Universal Portland Cement Company is extending to its friends and patrons a substantial evidence of its hearty good wishes for prosperity in the shape of a 1913 calendar done in poster style that makes a handsome decoration on any office wall.

\*\*The sixtieth annual meeting of the American Society of Civil Engineers will be held at the house of the society, January 15 and 16, 1913. The business meeting will be called to order at 10 o'clock on Wednesday morning. The annual reports will be read, officers for the ensuing year elected, members of the nominating committee appointed, reports of special committee presented, and other business transacted.

In connection with the annual meeting three special meetings of the society are scheduled for January 17 and 18. The subject for topical discussion at these meetings is "Road Construction and Maintenance."

\*\*Announcement is made that the design for the 1,200 new street lamps that are to be erected along Broadway and Amsterdam avenue is by Henry Bacon, originator of the "shepherd's crook" lamppost. Time was when nobody could reasonably be suspected of caring to know the name of the designer of a New York lamppost.

\*\*It was a happy thought of the New York Chamber of Commerce to organize a bureau for the peaceful settlement of business disputes. Members between whom a difference has arisen will merely sign a paper submitting the matter to arbitration, stating the cause of the disagreement and promising to abide by the decision. This is better than going to law. It saves time, money and bitter feeling.



## Up-to-Date Lighting

Some people are to-day using improved tallow dips and oil lamps for illumination, simply because they have gotten into an old-fashioned rut. We should all get the Electric Light habit—it will save us money and health, it will lengthen our lives and improve our tempers. The present generation cannot afford antiquated methods.



Moreover, a board of practical business men sitting in judgment on a business matter, are more likely to get at the truth than are the judge and jury.

\*\*As part of a general study of building materials, the National Bureau of Standards is testing some of the physical properties of concrete. In order to learn the cause of cracking in concrete structures, the engineers of the bureau have placed marks on some of the old and new concrete work in Wayne County, Michigan, at Greenwich, Connecticut, and on the lock walls of the Panama Canal. They intend from time to time to measure how much the concrete expands and contracts in different temperatures, and to find out the changes that occur in it while it is hardening.

\*\*President Frank Williamson, of the Pennsylvania Lumbermen's Association, has appointed George M. Hamel, of Lukens Brothers, Philadelphia; George R. Bayle, Philadelphia, and Fred S. Pyfer, Lancaster, a committee to make arrangements for the annual meeting January 29 and 30.

\*\*The Jamestown Veneer and Panel Co., at Jamestown, Pa., has passed into the hands of a new concern, the Jamestown Panel Company, with a capital of \$75,000. The members of this company are Frank Morrison, B. E. Strong, Nate Wilson, and R. Z. Morrison, of Warren, Pa. It will make extensive improvements to the plant at Jamestown at once and start up about the first of the year with sixty men employed.

\*\*The Babcock Lumber Company, large manufacturers and wholesalers of Pittsburgh, Pa., and branch sales office in New York City, has just opened another branch at Chicago, Ill., McCormick Building, with J. H. B. Smith as manager. The opening of this office is for the purpose of keeping in closer touch with

the growing business of the company in the Western territory and in the services of Mr. Smith the company have secured a representative who is thoroughly familiar with the requirements of the Western trade. The Babcock Lumber Company are one of the biggest manufacturers of lumber in the country, with extensive timber holdings and mills in Tennessee, Pennsylvania, West Virginia and Georgia.

\*\*The N. & G. Taylor Company, Philadelphia, have issued their new official price list, effective December 1, 1912, covering their various brands of tin plate. Copies may be had by addressing the company's Philadelphia office.

\*\*The Chicago offices of the Youngstown Sheet and Tube Company are now located at 1563 McCormick Building, 322 South Michigan avenue.

\*\*Mr. Dallett having retired from the firm

of Baker & Dallett, architects, Mr. Louis Carter Baker makes the announcement that he will on December 16 open new offices in the Middle City Building, 34 South Seventeenth street, Philadelphia. The firm of Baker & Dallett has been among the most successful of local practitioners having designed a host of notable buildings including the Mercantile Club, the Estey Building, the Third National Bank, the Polyclinic Hospital; office buildings at 518 Walnut street, 1537 Chestnut street, 1510 Chestnut street and 110 South Tenth street; country houses for John W. Townsend, at Bryn Mawr; R. E. Williams, F. H. Mass and I. W. Roberts, at Bala; Wilmer Hoopes, at Paoli and many other buildings. Mr. Baker's distinguished standing as a designer of country homes of the better class, and of commercial structures in which the utilitarian blends with the artistic insures a continuance of the success which has always attended this widely known firm.

## EARLY FIREPROOFING

### Reminiscences of the Equitable Building and Its Principal Architect.

The razing of the fire-ruined building of the Equitable Life Assurance Society at 120 Broadway revealed many interesting reminders of the early use of ironwork in connection with building construction in this city. Some of the ideas embodied in the Equitable Building have long since been superseded as a result of the development of the steel-cage style of construction, but others have not been improved upon, writes M. A. Brooks, of 80 Maiden Lane, in the "Engineering News."

As an example of the latter may be cited the method of anchoring the I-beams used in the floors. These were supported at either end by bluestone templates in the brick walls and anchored by strap-irons to pins set upright in the brickwork. This method is still regarded as the best practice in this class of construction.

When the Equitable Building was begun, in the late '60's, only five other buildings in the city contained ironwork. They were Cooper Union, the Herald Building, on the site of the old Barnum Museum, where the St. Paul Building now stands, the Times Building, the American Exchange Bank and the Ball & Black store on Broadway. Two more were in process of erection—the County Court House in City Hall Park and the National Park Bank.

#### First to Use Iron Floorbeams.

The above named buildings were the first in which iron floorbeams were used in this country and were probably the first in the world to use rolled beams. Some cast-iron girders had been used to a limited extent in some English buildings.

The I-beam had just been perfected by Peter Cooper, who invented it. Mr. Cooper

had a few years before been commissioned to make fireproof the floors of Nassau Hall, a stone building at Princeton College, which result he accomplished by the use of railway rails. He was then about to build his great gift to the people of New York City, Cooper Union, and he used in it the first I-beams ever rolled.

In that building, as well as in the other buildings mentioned above, these beams were used just as wooden floor joists had heretofore been, being spaced at fixed distances apart without reference to their strength or the load they were to carry. By this practice much iron was, of course, wasted.

The plans for the Equitable Building were selected as a result of the first architectural competition in the history of the New York building trade. A number of architects had been invited to participate, and the board was unable to decide between the plans of Guilman & Kendall and those submitted by George B. Post, then a young man. The matter was compromised by placing Mr. Post in charge of the ironwork, elevators and vaults and giving the other details to the older firm.

#### Four Stories the Limit.

When the Equitable Building was planned, the limit of height in New York City for office buildings was four stories. Tenants could not be induced to climb higher. Only three elevators were in use in the city. One was in the Fifth Avenue Hotel and one in the Astor House, these cars being raised and lowered by the operation of a long screw which passed up through the center of the cage. The third was a car in an apartment house



which was lifted by a rope cable by steam power.

In making the Equitable Building plans, Henry B. Hyde, then vice-president of the Equitable, maintained strongly that by means of elevators tenants could be attracted to the upper floors, in which view Mr. Post coincided.

Approval of this revolutionary innovation was not easy to obtain. A prominent real estate firm was asked to appraise the rents in such a building, and when their report was read to the directors Mr. Post, who was present, offered to take the topmost Broadway suite at the appraised rental. "No," declared Mr. Hyde, "you will take the suite at twice that figure," to which Mr. Post agreed. The judgment of both these pioneers was vindicated later when Mr. Post was offered a bonus of \$6,000 for his lease within six months after the building was opened. The installation of the original elevators was in charge of Mr. Post, and they were the first commercial elevators used in America.

#### Pioneer Work in Vault Construction.

The third important section of this pioneering—for it was mostly pioneer work on the Equitable Building—entrusted to Mr. Post was the building of the fireproof safety vaults. When these were decided upon as a feature of the building, there were no such vaults in existence. Plans for them were, therefore, evolved entirely from Mr. Post's brain. It stands to his great credit that in these original vaults, after the fire which destroyed the building had been extinguished and they had been opened, every bit of their contents was found to be in perfect condition. This fact has afforded Mr. Post more satisfaction than anything else in his experience.

Shortly after the completion of the first Equitable Building, Mr. Post became the Equitable's official architect, and so continued for over thirty years, having charge of the expenditure of many millions of dollars for the company in that time.

Mr. Post became an architect as a result of the great panic of 1857. He had just graduated from New York University as a civil engineer, but there was no work for civil engineers. In that year the eminent American architect, Richard Morris Hunt, returned from Europe where he had studied under Lefuel and had been connected with many famous architectural works abroad. Mr. Hunt gave instruction to a few pupils in architecture at that time, and Mr. Post was invited to be one of the class. He consented, and afterward devoted himself entirely to architecture.

Mr. Post is now seventy-four years old, but his eye is keen, his hand steady and his mind clear. He motors in from Bernardsville, N. J., nearly every day to oversee the work in his office on Fifth avenue.—"New York Record and Guide."

The man who is "going to do some advertising next year—maybe" gets his advertising in the end in the shape of an obituary.

## HOW TO CHOOSE ELECTRIC-LIGHT FIXTURES

By Caroline Klingensmith.

The luminous tulip and opalescent wooden cornucopia have become so common that they are generally accepted in good society. Like slang, their constant use has clouded the illegitimacy of their birth, and many a householder who points with pride to a good sofa or a bit of Wedgwood lives in contentment beneath an electric light fixture that, like Topsy, just happened.

Now, as a matter of fact, pedigree is a most important qualification, whether the thing in question is a dog, a chair or an electric light. The average American inherits the belief that all men are created free and equal, but further this dictum does not extend. Even the sturdiest democrat does not dream of applying it to animals or to the interior of a house. Furniture must be aristocratic. It must be either good or bad, pedigreed or mongrel. Few pieces of bad furniture have ancestry; few pieces of good furniture are without it. It is an axiom that nothing absolutely new, nothing that springs full-grown from the brain of any one man, is art. It is alike impossible to achieve an architecture or a language offhand. It would be absurd, for instance, to suppose that the Parthenon was built without much cumbersome development in ages gone by. It is easy to see, on the other hand, that the perpetrators of the Eastlake School wasted no time on the past. These gentlemen failed to consider the laws of evolution, which are the laws of art. They did not realize that, though one may achieve a clever and ingenious result, one can never, single-handed, achieve art. They showed, in short, a fine contempt for pedigree, and their work has subsided after a brief flurry.

It is right here that the average electric-light fixture fails. Luminous tulips are ingenious, they are not artistic. They are eloquent of man's ingenuity, but they utterly without precedent as lights. So also is the wooden cornucopia, and the radiant bunch of grapes; so also the bronze lady, dancing in the 16-candle-power maze. Until the discovery of electric lights, these things were mechanically impossible; they are still artistically impossible. They are without rhyme or reason, they are delirious inventions, they are monstrosities in the realm of lighting, and they have no right to exist.

Yet the time will come when the electric light will develop a form of its own. A fitting vessel to contain this dazzling, misappropriated fluid will ultimately evolve. Until that time we cannot refuse to burn the electric light, but we can refuse to burn it in the various fantastic forms which are now current. And until the electric light evolves naturally, the only safe plan is to cling to the old lighting forms. We cannot replace in a day the lamps and candles that

have been burning for a thousand years. Long use has developed for them beautiful forms, and until the electric light has been also developed, let us adhere to the form of the old lights.

Consequently in choosing electric light fixtures there is but one rule. It is the universal rule of good taste. It is the rule by which whatever is bizarre and brand-new is avoided; the rule by which whatever departs radically from precedent fails. And as electricity is without precedent, we must endow it with that quality. In other words, we must legitimize the mode of lighting by giving it a form which has an ancestry.

In selecting the fixtures for your home, therefore, be careful that the lights follow the old forms. Be sure that they have sturdy lamp and candle ancestors, and are not mere glass exotics. Think of your light, not as a mere garnish for the 16-candle power bulb, but as a lamp, a candle or a torch. Forget that you are dealing with electricity. Forget the method of lighting and think only of the form. The method will take care of itself. Electric fixtures are just as difficult as selectric lights are easy. The form is all-important, and if your fixture takes the form of a good lamp or a good candle or a good torch, it can hardly be otherwise than good. If it is merely novel, merely ingenious, if it is utterly without ancestry, discard it. It can hardly be other than bad.—"House Beautiful."

You can't get figs from thistles. Nor can you get an assured income from a shoe-string advertising proposition.

Are you aware, Mr. Advertiser, that this paper circulates in 5,000 offices, reaches every architect of any prominence in the East and the Secretary of every architectural club and chapter in the country?

THE BUILDERS' GUIDE,  
Perry Building, Philadelphia.

The man that doesn't advertise nowadays is a barnacle. And he ends up like a barnacle by being scraped off.

The trouble with some advertising is that it is like the conversation of certain people—it never says anything.—"Novelty News."

If your proposition is one that should appeal to architects, builders, building owners, decorators, material and supply concerns, "The Builders' Guide" is the right medium for your advertising and cannot fail to bring you profitable returns.



## VALUE OF TRADE PRESS ADVERTISING.

It will not be very long before the trade magazine will be offering the only real "snap" to the advertiser. The shrewdest business managers are rubbing their eyes open to this fact every day. The fields are already ripening, and the richest opportunities of golden harvest now held out are those found in the advertising pages of trade and technical magazines.

For the trade press of to-day is not the trade press of a few years ago. New and finer brains are giving it their best attention. The trade press field has been and is being revolutionized. Trade publications which a few years since were maintained upon a sort of charitable, for-the-good-of-the-trade basis, are to-day healthy, prosperous, business-like sheets, asking odds from none and embodying a genuine opportunity at the door of almost every advertiser.

If there is one appeal which the trade press makes to the advertiser more than any other, it is the appeal of minimum waste circulation. For almost every conceivable line of business, the circulation of the ordinary paper or magazine contains an enormous proportion of waste; but in the case of the trade press, almost every reader is a possible purchaser, and economy in circulation is at its maximum. While it will probably never be possible to attain an efficiency of 100 per cent. in directness of special appeal, yet the trade press of to-day comes as near to it as present conditions make possible. Because of the character of its editorial contents, its readers are sifted out so that they have the most basic and important concerns in common; and this is what insures the best of service to the careful advertiser. In the selection of mediums appealing to audiences of prospective buyers, the advertiser is using greater and greater caution. The "skin game" has been played too long, and the old-fashioned razor needs honing. The trade press is the up-to-date safety device.—"Cement World."

## MEDAL FOR W. R. MEAD.

### Institute of Arts and Letters Honors an Architect.

The Institute of Arts and Letters has presented to William Rutherford Mead, of the firm of McKim, Mead & White, the institute medal of honor for architecture. The formal presentation was made December 13 in the assembly hall of the New York Historical Society, Central Park West and Seventy-seventh street, where the National Institute and the American Academy of Arts and Letters had annual joint public sessions in the morning and afternoon.

The medal is awarded in a different branch each year, and on its first presentation, four years ago, went to the late Augustus St. Gaudens for sculpture. The other medals went to James Ford Rhodes for history and James

Whitcomb Riley for poetry. Next year's award will be for drama.

Mr. Mead is the only surviving member of the original firm of McKim, Mead & White, which was formed in 1880. The contribution of the firm to American architecture has been very large and important. Columbia University, the College of the City of New York, the University of Virginia, Madison Square Garden, Boston Public Library, the New York Herald Building, the Washington Arch in Washington Square, the Pennsylvania Railroad Station, and the Madison Square Presbyterian Church are a few examples from a very long list.

## PURE ADVERTISING.

At the meeting of the National Federation of Retail Merchants held in St. Louis in November much attention was paid to a proposed law to compel honest advertising.

There is no doubt that there is as much deception in advertising the sale of merchandise as there is in the sale of stocks and bonds, and that through these crooked advertisements the people of the country are fleeced out of hundreds of thousands of dollars.

Much of the large business which has been built up by certain mail order houses has come from crooked advertising, which in the aggregate has fleeced the American people out of hundreds of thousands of dollars and deprived the local merchant of much trade which properly belonged to him and which he could have filled on equal terms to better advantage than could the crooked advertiser. It ought not to be possible for concerns to advertise wood porch columns and then ship, on orders received in response to such advertising, porch columns built up of papier mache and very thinly veneered. It ought to be a State prison offense to advertise stoves of full weight and let the weight come from stuffing them with clay to balance the thinness of the iron of which the stove is made.

A concern that buys imperfect wind mills and creates a sale for them by advertising good wind mills is just as much a fraud as the man who advertises that he will tell you how to write without a pen and ink for a dollar and then, when he gets your dollar, writes you to use a lead pencil.

We have no idea how much of the mail order business has been built up through deceptive advertising. We know that it has been practised by certain concerns to a remarkable extent, and if it ever becomes prohibitive for advertisers to use fraudulent methods or make fraudulent representations, the mail order business will be robbed of much of its sting. It is not for us to say, nor do we say, that all the mail order business is based on crooked practices, but there is enough known about the mail order business to warrant a most exhaustive investigation. Those who conduct business along honest lines need not fear such an investigation, but those who are conducting business along dishonest lines will get the publicity and the punish-

ment which they have been courting. We believe that a thorough investigation of the mail order business of this country as done by certain mail order houses and certain department stores would show crooked methods which would startle the community. The benefits which will accrue to the country when a national pure food law is properly administered will be tremendous, and no one doubts this except those who have impure food to offer to the public; but there are enough of these impure food manufacturers, these adulterators, who in the last analysis are murderers, to have rendered the benefits to be received under a pure food law, through their manipulation at Washington, much less than they should be. But there may be in the eyes of the public even more justification for their activity than would be the case of a man who would openly come out in opposition to a pure advertising law.

It seems to us that anybody who would oppose a pure advertising law must at the very start subject themselves to the suspicion of being dishonest advertisers, but anything that will drive dishonest advertisers out of business will be of lasting benefit not only to the consumer, but the retailers all over the country.—"Lumber Trade Journal."

Some big guns are smooth bores.—Ex.

Even the best piece of machinery gets a hot bearing once in a while.—Ex.

## SOME MORE ADVERTISING "DONT'S."

Don't try to do a million dollar business on a two thousand dollar basis.

Don't try to advertise a quarter page proposition in a three-inch space.

Don't belittle a big business reputation by running a piking little "ad" among piker competitors.

Don't overlook the fact that as a man is judged by his stationery, so a firm is judged by its advertising.

Don't expect outsiders to give you a big rating on a one-inch space.

Your salesman would consider himself fortunate to get **ONE TEN-MINUTE INTERVIEW** with a busy architect **IN THREE MONTHS.** We **REACH** and **TALK DIRECT** to men of this calibre **FIFTY-TWO WEEKS IN THE YEAR!**

## REAL ESTATE TRANSFERS.

Summary for week ending December 21st, 1912:

Number of transfers.....	718
Amount of transfers.....	\$2,217,667.53
Cash consideration .....	338,724.28
Mortgage consideration .....	1,878,943.25
Ground rent consideration.....	5,706.87
Which on a six per cent. basis amounts to .....	95,114.51



# Reference Directory for Architects, Builders and Owners

## Artesian Wells.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co., Bourse Bldg., Phila.

## Artists' and Architects' Supplies.

Keystone Blue Paper Co.,  
910 Filbert st., Phila.  
Chas. H. Robbins, 125 S. 11th st., Phila.  
F. Weber & Co., 1125 Chestnut st., Phila.

## Awnings

Bernard McCurdy,  
N. E. Cor. 9th and Arch sts., Phila.

## Brick (Face, Etc.)

O. W. Ketcham, Builders' Exchange, Phila.

## Brick Renovating.

Adolph Christensen,  
1433 Brown st., Phila.

## Blue Prints

Keystone Blue Paper Co.,  
910 Filbert st., Phila.  
Chas. H. Robbins, 125 S. 11th st., Phila.  
H. H. Storey Co., 329 Walnut st., Phila.  
F. Weber & Co., 1125 Chestnut st., Phila.

## Blue Print Paper.

Keystone Blue Paper Co.,  
910 Filbert st., Phila.

## Boilers and Radiators.

Isaac A. Sheppard & Co.,  
Erie ave. and Sepviva st., Phila.

## Builders.

Mitchell Bros., 2125 Race St., Phila.  
Pomeroy Const. Co., 1609 Ranstead st., Phila.

## Canvas Roofing.

The Franklin Paper Co.,  
718 Cherry st., Phila.

## Cement.

Samuel H. French & Co.,  
4th and Callowhill sts., Phila.  
Chas. Warner Co., Land Title Bldg., Phila.  
Knickerbocker Lime Co.,  
266 N. 24th St., Phila.

## Cement Colors.

Samuel H. French & Co.,  
4th and Callowhill sts., Phila.

## Cold Water Painting.

William B. Southern,  
N. W. Cor. 12th and Spruce sts., Phila.

## Concrete Reinforcement.

American Metal Stamping Company,  
20 Herman st., Phila.

## Drawing Materials.

Keystone Blue Paper Co.,  
910 Filbert st., Phila.  
F. Weber & Co.,  
1125 Chestnut St., Phila.

## Electric Lighting, Power and Appliances.

Philadelphia Electric Co.,  
10th and Chestnut Sts.

## Elevator (Lubricators.)

American Engr. & Mfg. Co.,  
Real Estate Trust Bldg., Phila.

## Engineering Supplies.

Keystone Blue Paper Co.,  
910 Filbert st., Phila.  
F. Weber & Co.,  
1125 Chestnut St., Phila.

## Fire Protection Equipment.

Jas. Boyd & Bros.,  
25th and Wharton sts., Phila.

## Fireproofing Materials.

American Metal Stamping Company,  
20 Herman st., Phila.

(wood and steel).

Curdy,  
9th and Arch sts., Phila.

## Floor Renovating.

J. C. Moore Co., 35 S. 17th st., Phila.

## Floor Laying.

J. C. Moore Co., 35 S. 17th st., Phila.

## Floor Planing.

J. C. Moore Co., 35 S. 17th st., Phila.

## Floors and Floor Finishing.

Andrew Pinkerton, 3034 W. York st., Phila.  
Keystone Hardwood Floor Co.,  
7 S. 16th st., Phila.  
J. C. Moore Co., 35 S. 17th st., Phila.  
Thos. E. Sloan & Co., 802 Walnut st., Phila.

## Furnishers and Decorators.

Duncan & Duncan, Inc.,  
1724 Chestnut st., Phila.

## Furnaces and Ranges.

Bartlett & Co., 1938 Market st., Phila.  
Henry M. Miller, 40 N. 2nd st., Phila.  
Isaac A. Sheppard & Co.,  
Erie Ave. and Sepviva St., Phila.

## Gas and Gas Appliances.

United Gas Improvement Co.,  
Broad and Arch sts., Phila.

## Graphite Paint.

Jos. Dixon Crucible Co.,  
1020 Arch st., Phila.

## Hardwood Floors.

J. C. Moore Co., 35 S. 17th st., Phila.

## Heating Boilers.

H. B. Smith, 1225 Arch st., Phila.

## Heating (Warm Air.)

Makin Heating Co., 6 N. 18th St., Phila.

## Iron Work (Structural and Ornamental).

W. E. Wark & Co., 1737 Filbert st., Phila.

## Lighting Fixtures.

Logue-Stronge Mfg. Co.,  
435-37 N. Broad st., Phila.

## Metal Furniture.

Edward Darby & Sons Co.,  
233 Arch St., Phila.

## Metal Tile.

American Perfectile Co.,  
1526 Sansom St., Phila.

## Metal Lath.

American Metal Stamping Company,  
20 Herman st., Phila.

## Marble Mosaic.

Belfi Bros. & Co.,  
20-22 S. 19th st., Phila.

## Metal Doors and Trim.

R. R. Hammond & Co.,  
Land Title Bldg., Phila.

## Mill Work.

Frank C. Snedaker & Co.,  
9th and Tioga sts., Phila.

## Mortar Colors.

Samuel H. French & Co.,  
4th and Callowhill sts., Phila.

## Paints and Varnishes.

Felton, Sibley & Co., 136 N. 4th St., Phila.  
Samuel H. French & Co.,  
4th and Callowhill sts., Phila.  
Pyramid Paint Co., 131 N. 22nd st., Phila.  
E. E. Nice, 272 S. 2nd St., Phila.  
Jos. Dixon Crucible Co., 1020 Arch st., Phila.

## Parquetry Floors.

Andrew Pinkerton, 3034 W. York st., Phila.  
Keystone Hardwood Floor Co.,  
7 S. 16th st., Phila.  
J. C. Moore Co., 35 S. 17th st., Phila.  
Thos. E. Sloan & Co., 802 Walnut st., Phila.

## Perfectile

The American Perfectile Co.,  
1526 Sansom st., Phila.

## Plaster.

J. B. King Co., Builders' Exchange, Phila.

## Plaster Board.

J. B. King Co., Builders' Exchange, Phila.

## Radiators.

H. B. Smith Co., 1225 Arch st., Phila.

## Ranges.

Bartlett & Co., 1938 Market st., Phila.  
Henry M. Miller, 40 N. 2nd st., Phila.  
Isaac A. Sheppard & Co.,  
Erie ave. and Sepviva st., Phila.

## Refrigerators.

Henry M. Miller, 40 N. 2nd st., Phila.

## Roofing Slate.

C. F. Shellenberger,  
Builders' Exchange, Phila.

## Roofing Slate (black and colored)

Wm. Moore Co.,  
Real Estate Trust Bldg., Phila.

## Roofing Tile.

C. F. Shellenberger,  
Builders' Exchange, Phila.  
O. W. Ketcham, Builders' Exchange, Phila.

## Real Estate and Mortgages.

Hazlett & Moss, 518 Walnut st., Phila.

## Safety Treads.

R. R. Hammond & Co., Land Title Bldg., Phila.

## Sanitary Flooring.

Woodoleum Flooring Co.,  
Betz Building, Phila.

## Sewer Pipe and Flue Linings.

C. F. Shellenberger,  
Builders' Exchange, Phila.

## Sash Pulleys.

American Pulley Co.,  
4200 Wissahickon ave., Phila.

## Soundings.

Ridpath & Potter Co., Bourse Bldg., Phila.

## Slate—Roofing and Structural.

Wm. Moore Co.,  
Real Estate Trust Bldg., Phila.

## Stair Builders.

Frank C. Snedaker & Co.,  
9th and Tioga Sts., Phila.

## Structural Engineer

Harry C. Eisenbise, Penna. Bldg., Phila.  
Frank N. Kneas, 1232 Race St., Phila.

## Terra Cotta (Architectural)

O. W. Ketcham, Builders' Exchange, Phila.

## Test Borings.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co., Bourse Bldg., Phila.

## Tile—Floor, Wall and Decorative.

Wm. Moore Co.,  
Real Estate Trust Bldg., Phila.  
The American Perfectile Co.,  
1526 Sansom st., Phila.

## Tile and Terrazza Work.

Belfi Bros. & Co., 20-22 S. 19th st., Phila.

## Wall Plaster.

J. B. King & Co., Builders' Exg'e. Phila.

## Water Heaters.

Bartlett & Co., 1938 Market st., Phila.

## Waterproofing Specialties.

The Franklin Paper Co.,  
718 Cherry st., Phila.

## Weather Strips (Metal).

Burcaw Real Estate Repair Co.,  
2325 N. 31st St., Phila.  
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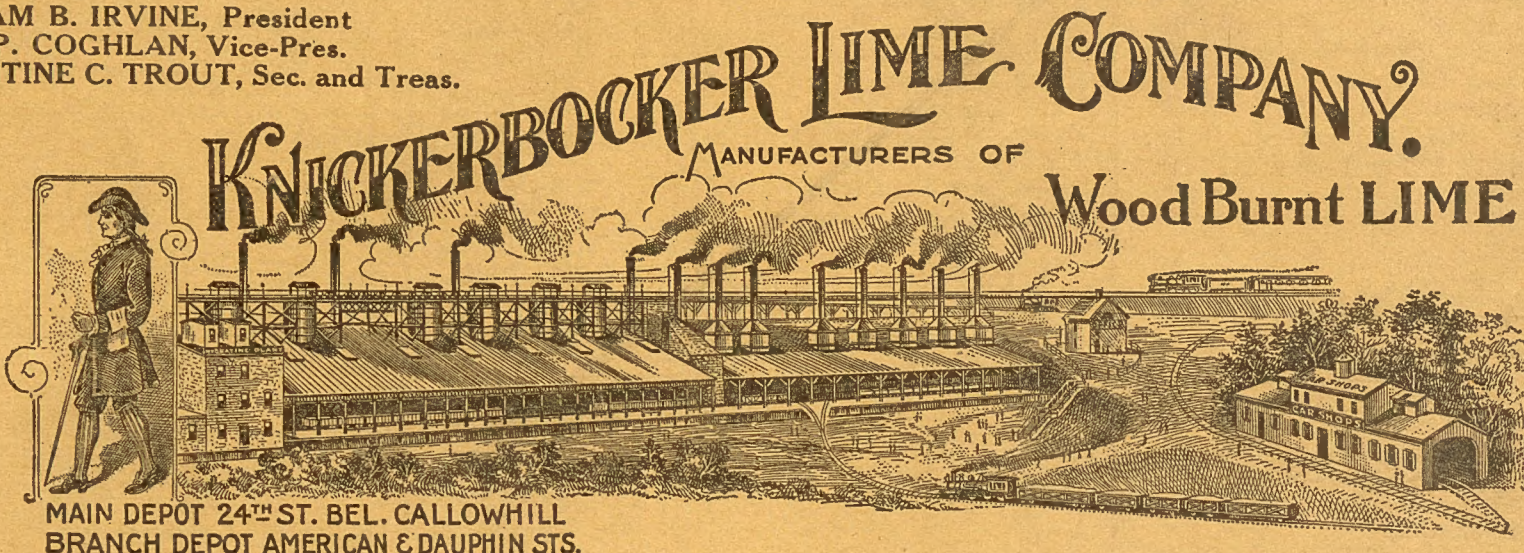
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